

APPLICANT: FRASER, Claire M.

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; APPLICANT: VENTER, John C.
; TITLE OF INVENTION: DNA SEQUENCES FOR STRAIN ANALYSIS IN MYCOBACTERIUM
; FILE REFERENCE: 24366-20007.00
; CURRENT APPLICATION NUMBER: US/09/103,840A
; CURRENT FILING DATE: 1998-06-24
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 4411529
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
; OTHER INFORMATION: H37Rv
US-09-103-840A-1

Query Match      100.0%; Score 77; DB 3; Length 4411529;
Best Local Similarity 100.0%; Pred. No. 4.7e-14;
Matches 77; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 ATGACCTGCGCCGACGATGCGAGCGCTAGCGATGAGTGGGGGACCACTCCGCTTGC 60
DB      580576 ATGACCTGCGCCGACGATGCGAGCGCTAGCGATGAGTGGGGGACCACTCCGCTTGC 580635
QY      61 GGGGGAGAGTGGCGCTG 77
DB      580636 GGGGGAGAGTGGCGCTG 580652

RESULT 3
US-09-103-840A-2/c
; Sequence 2, Application US/09103840A
; Patent No. 6294328
; GENERAL INFORMATION:
; APPLICANT: FLEISCHMAN, Robert D.
; APPLICANT: WHITE, Owen R.
; APPLICANT: FRASER, Claire M.
; APPLICANT: VENTER, John C.
; TITLE OF INVENTION: DNA SEQUENCES FOR STRAIN ANALYSIS IN MYCOBACTERIUM
; FILE REFERENCE: 24366-20007.00
; CURRENT APPLICATION NUMBER: US/09/103,840A
; CURRENT FILING DATE: 1998-06-24
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 4403765
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
; FEATURE:
; OTHER INFORMATION: CDC 1551
; OTHER INFORMATION: "n" bases at various positions throughout the sequence
; OTHER INFORMATION: represent a, t, c or g
US-09-103-840A-2

Query Match      85.5%; Score 65.8; DB 3; Length 4403765;
Best Local Similarity 90.9%; Pred. No. 1.2e-10;
Matches 70; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

QY      1 ATGACCTGCGCCGACGATGCGAGCGCTAGCGATGAGTGGGGGACCACTCCGCTTGC 60
DB      2713202 ATGCCCCGCGCCGCGACGATGCGAGCGAGCGATGAGTGGGGGACCTCCGCTTGC 2713143
QY      61 GGGGGAGAGTGGCGCTG 77
DB      2713142 GGGGGAGAGCGCGCCG 2713126

RESULT 4
US-09-103-840A-1/c
; Sequence 1, Application US/09103840A
; Patent No. 6294328
; GENERAL INFORMATION:
; APPLICANT: FLEISCHMAN, Robert D.
```

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; APPLICANT: WHITE, Owen R.
; APPLICANT: FRASER, Claire M.
; APPLICANT: VENTER, John C.
; TITLE OF INVENTION: DNA SEQUENCES FOR STRAIN ANALYSIS IN MYCOBACTERIUM
; FILE REFERENCE: 24366-20007.00
; CURRENT APPLICATION NUMBER: US/09/103,840A
; CURRENT FILING DATE: 1998-06-24
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 4411529
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
; OTHER INFORMATION: H37Rv
US-09-103-840A-1

Query Match      85.5%; Score 65.8; DB 3; Length 4411529;
Best Local Similarity 90.9%; Pred. No. 1.2e-10;
Matches 70; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

QY      1 ATGACCTGCGCCGACGATGCGAGCGCTAGCGATGAGTGGGGGACCACTCCGCTTGC 60
DB      2716389 ATGCCCCGCGCCGCGACGATGCGAGCGAGCGATGAGTGGGGGACCTCCGCTTGC 2716330
QY      61 GGGGGAGAGTGGCGCTG 77
DB      2716329 GGGGGAGAGCGCGCCG 2716313

RESULT 5
US-08-311-731A-137/c
; Sequence 137, Application US/08311731A
; Patent No. 6583266
; GENERAL INFORMATION:
; APPLICANT: SMITH, DOUGLAS
; APPLICANT: MAO, JEN-I
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES
; TITLE OF INVENTION: RELATING TO MYCOBACTERIUM TUBERCULOSIS AND LAPRAE FOR
; TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
; NUMBER OF SEQUENCES: 411
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: WOLF, GREENFIELD & SACKS, P. C.
; STREET: 600 ATLANTIC AVENUE
; CITY: BOSTON
; STATE: MASSACHUSETTS
; COUNTRY: USA
; ZIP: 02210
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/311,731A
; FILING DATE:
; CLASSIFICATION: 530
; ATTORNEY/AGENT INFORMATION:
; NAME: GATES, EDWARD R.
; REGISTRATION NUMBER: 31,616
; REFERENCE/DOCKET NUMBER: C0044/7125
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 617/720-3500
; TELEFAX: 617/720-2441
; INFORMATION FOR SEQ ID NO: 137:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 40123 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: circular
; MOLECULE TYPE: DNA (genomic)
; HYDROTHERMAL: NO
; ANTI-SENSE: NO
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ORIGINAL SOURCE:
ORGANISM: Mycobacterium leprae
US-08-311-731A-137

Query Match 77.4%; Score 59.6; DB 3; Length 40123;
Best Local Similarity 87.8%; Pred. No. 5.7e-09;
Matches 65; Conservative 0; Mismatches 9; Indels 0; Gaps 0;

QY 2 TGACCTGGCCGCGAGATGAGCGATGAGTGGGGGACCCCGCTTGG 61
DB 14289 TGAACGCGCGCGAGATGAGCAAGCGATGAGTGGGGGACCTTCCGCTTGG 14230
QY 62 GGGAGAGTGGCG 75
DB 14229 GGGAGAGCGACGC 14216

RESULT 6

US-08-311-731A-128/c
Sequence 128, Application US/08311731A
Patent No. 6583266
GENERAL INFORMATION:
APPLICANT: SMITH, DOUGLAS
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES
RELATING TO MYCOBACTERIUM TUBERCULOSIS AND LAPRAE FOR
TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
NUMBER OF SEQUENCES: 411
CORRESPONDENCE ADDRESS:
ADDRESSEE: WOLF, GREENFIELD & SACKS, P.C.
STREET: 600 ATLANTIC AVENUE
CITY: BOSTON
STATE: MASSACHUSETTS
COUNTRY: USA
ZIP: 02210
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/311,731A
FILING DATE:
CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: GATES, EDWARD R.
REGISTRATION NUMBER: 31,616
REFERENCE/DOCKET NUMBER: C0044/7125
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617/720-3500
TELEFAX: 617/720-2441
INFORMATION FOR SEQ ID NO: 128:
SEQUENCE CHARACTERISTICS:
LENGTH: 42988 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: circular
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: MYCOBACTERIUM LEPRAE
US-08-311-731A-128

Query Match 66.2%; Score 51; DB 3; Length 42988;
Best Local Similarity 80.0%; Pred. No. 2.3e-06;
Matches 60; Conservative 0; Mismatches 15; Indels 0; Gaps 0;

QY 1 ATAGACTGCGCGCGAGATGAGCGATGAGTGGGGGACCCCGCTTGC 60
DB 39484 ATAGACCGTACCGCGCGAGATGAGCAAGCGATGAGCGAGGCGATCTCTGCTTGC 39425
QY 61 GGGGAGAGTGGCGC 75

DB 39424 AGCGAGCGCGCGC 39410

RESULT 7
US-08-311-731A-1
Sequence 1, Application US/08311731A
Patent No. 6583266
GENERAL INFORMATION:
APPLICANT: SMITH, DOUGLAS
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES
RELATING TO MYCOBACTERIUM TUBERCULOSIS AND LAPRAE FOR
TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
NUMBER OF SEQUENCES: 411
CORRESPONDENCE ADDRESS:
ADDRESSEE: WOLF, GREENFIELD & SACKS, P.C.
STREET: 600 ATLANTIC AVENUE
CITY: BOSTON
STATE: MASSACHUSETTS
COUNTRY: USA
ZIP: 02210
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/311,731A
FILING DATE:
CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: GATES, EDWARD R.
REGISTRATION NUMBER: 31,616
REFERENCE/DOCKET NUMBER: C0044/7125
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617/720-3500
TELEFAX: 617/720-2441
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 32155 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: circular
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: MYCOBACTERIUM TUBERCULOSIS
US-08-311-731A-1

Query Match 51.9%; Score 40; DB 3; Length 32155;
Best Local Similarity 89.6%; Pred. No. 0.0049;
Matches 43; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 28 CGTAGCATGAGTGGGGGACCCCGCTTGGGGGAGAGTGGCGC 75
DB 5089 CGAAGCATGAGTGGGGGATCGCGCTTGGAGGAGAGGCGCGC 5136

RESULT 8
US-08-311-731A-123/c
Sequence 123, Application US/08311731A
Patent No. 6583266
GENERAL INFORMATION:
APPLICANT: SMITH, DOUGLAS
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES
RELATING TO MYCOBACTERIUM TUBERCULOSIS AND LAPRAE FOR
TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
NUMBER OF SEQUENCES: 411
CORRESPONDENCE ADDRESS:
ADDRESSEE: WOLF, GREENFIELD & SACKS, P.C.

STREET: 600 ATLANTIC AVENUE
CITY: BOSTON
STATE: MASSACHUSETTS
COUNTRY: USA
ZIP: 02210
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/311,731A
FILING DATE:
CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: GATES, EDWARD R.
REGISTRATION NUMBER: 31,616
REFERENCE/DOCKET NUMBER: C0044/7125
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617/720-3500
TELEFAX: 617/720-2441
INFORMATION FOR SEQ ID NO: 123:
SEQUENCE CHARACTERISTICS:
LENGTH: 36470 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: circular
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: MYCOBACTERIUM LEPRAE
US-08-311-731A-123

Query Match 49.9%; Score 38.4; DB 3; Length 36470;
Best Local Similarity 70.8%; Pred. No. 0.015;
Matches 51; Conservative 0; Mismatches 21; Indels 0; Gaps 0;

QY 1 ATGACCTGCGCCGACGATGACGATGACGATGAGTGGGGGACCAACCCGCTTGC 60
DB 8938 ATGACCCGACCGCGGCTGTATTAAGAGAGTGTGAGTGGGGGACCAATCCGCTTGC 8879

QY 61 GGGGAGAGTGG 72
DB 8878 GGGGAGAGTGG 8867

RESULT 9
US-08-390-878-16
Sequence 16, Application US/08390878
Patent No. 5700683
GENERAL INFORMATION:
APPLICANT: Stover, Charles K.
ATTORNEY/AGENT INFORMATION:
NAME: Mahairas, Gregory G.
REGISTRATION NUMBER: 18
REFERENCE/DOCKET NUMBER: C0044/7125
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617/720-2441
TELEFAX: 617/720-2441
INFORMATION FOR SEQ ID NO: 124:
SEQUENCE CHARACTERISTICS:
LENGTH: 36033 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: circular
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: MYCOBACTERIUM LEPRAE
US-08-311-731A-124

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/390,878
FILING DATE: 17-FEB-1995
CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:
NAME: Hunter, Tom
REGISTRATION NUMBER: 38,498
REFERENCE/DOCKET NUMBER: 15371A-17
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/543/9600
TELEFAX: 415/543/5043
INFORMATION FOR SEQ ID NO: 16:
SEQUENCE CHARACTERISTICS:
LENGTH: 16885 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-08-390-878-16

Query Match 44.7%; Score 34.4; DB 2; Length 16885;
Best Local Similarity 86.4%; Pred. No. 0.23;
Matches 38; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

QY 2 TGACCTGCGCCGACGATGACGATGACGATGAGTGGG 45
DB 784 TGACCCGCGCGCGGACGATGACGATGACGATGAGAGAG 827

RESULT 10
US-08-311-731A-124/c
Sequence 124, Application US/08311731A
Patent No. 6583266
GENERAL INFORMATION:
APPLICANT: SMITH, DOUGLAS
ATTORNEY/AGENT INFORMATION:
NAME: MAO, JEN-1
REGISTRATION NUMBER: 411
REFERENCE/DOCKET NUMBER: C0044/7125
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617/720-2441
TELEFAX: 617/720-2441
INFORMATION FOR SEQ ID NO: 124:
SEQUENCE CHARACTERISTICS:
LENGTH: 36033 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: circular
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: MYCOBACTERIUM LEPRAE
US-08-311-731A-124

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/311,731A
FILING DATE:
CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: GATES, EDWARD R.
REGISTRATION NUMBER: 31,616
REFERENCE/DOCKET NUMBER: C0044/7125
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617/720-2441
TELEFAX: 617/720-2441
INFORMATION FOR SEQ ID NO: 124:
SEQUENCE CHARACTERISTICS:
LENGTH: 36033 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: circular
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: MYCOBACTERIUM LEPRAE
US-08-311-731A-124

Query Match 42.6%; Score 32.8; DB 3; Length 36033;

Best Local Similarity 84.1%; Pred. No. 0.74;
Matches 37; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

OY 2 TGACCTGGCGCGGACGATGACGAGCGGTAGCGGATGAGTGGGG 45
Db 19181 TTATCCGTGCGCGGACGATGACGAGCGGCGATGAGTGGAG 19138

RESULT 11

US-08-311-731A-138
Sequence 138, Application US/08311731A
Patent No. 658326
GENERAL INFORMATION:
APPLICANT: SMITH, DOUGLAS
APPLICANT: MAO, JEN-I
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES
RELATING TO MYCOBACTERIUM TUBERCULOSIS AND LAPRAE FOR
TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
NUMBER OF SEQUENCES: 411
CORRESPONDENCE ADDRESS:
ADDRESSEE: WOLF, GREENFIELD & SACKS, P.C.
STREET: 600 ATLANTIC AVENUE
CITY: BOSTON
STATE: MASSACHUSETTS
COUNTRY: USA
ZIP: 02210
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/311.731A
FILING DATE:
CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: GATES, EDWARD R.
REGISTRATION NUMBER: 31,616
REFERENCE/DOCKET NUMBER: C0044/7125
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617/720-3500
TELEFAX: 617/720-2441
INFORMATION FOR SEQ ID NO: 138:
SEQUENCE CHARACTERISTICS:
LENGTH: 35961 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: circular
MOLECULE TYPE: DNA (genomic)
HYPOTHEICAL: NO
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: Mycobacterium leprae
US-08-311-731A-138

Query Match 42.3%; Score 32.6; DB 3; Length 35961;
Best Local Similarity 89.7%; Pred. No. 0.85;
Matches 35; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

OY 9 CGCCGACGACGATGACGATGAGTGGGGG 47
Db 10659 CGCCGACGACGATGACGACGATGAGTGGAGC 10657

RESULT 12

US-09-470-191-25/c
Sequence 25, Application US/09470191
Patent No. 646563
GENERAL INFORMATION:
APPLICANT: Skeiky, Yasir
APPLICANT: Corixa Corporation
TITLE OF INVENTION: Compositions and Methods of Their Use in
TITLE OF INVENTION: the Treatment, Prevention and Diagnosis of Tuberculosis

FILE REFERENCE: 014058-008910US
CURRENT APPLICATION NUMBER: US/09/470.191
CURRENT FILING DATE: 1999-12-23
PRIOR APPLICATION NUMBER: US 60/113,952
PRIOR FILING DATE: 1998-12-24
NUMBER OF SEQ ID NOS: 97
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 25

LENGTH: 263
TYPE: DNA
ORGANISM: Mycobacterium tuberculosis
FEATURE:
NAME/KEY: modified base
LOCATION: (1)...(263)
OTHER INFORMATION: n = any nucleotide
US-09-470-191-25

Query Match 41.8%; Score 32.2; DB 3; Length 263;
Best Local Similarity 82.2%; Pred. No. 0.72;
Matches 37; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

OY 1 ATGACCTGCGCGGACGATGACGAGCGGTAGCGATGAGTGGG 45
Db 252 ATGACTCGCGCGGACGATGACGAGCGGAGCGATGAGGAGG 208

RESULT 13

US-09-050-739-71
Sequence 71, Application US/09050739
Patent No. 6641814
GENERAL INFORMATION:
APPLICANT: ANDERSEN, Peter
APPLICANT: NIELSEN, Rikke
APPLICANT: OETTINGER, Thomas
APPLICANT: RASMUSSEN, Peter Birk
APPLICANT: ROSENKRANDS, Ida
APPLICANT: WELDRING, Karin
APPLICANT: FLORIO, Walter
TITLE OF INVENTION: NUCLEIC ACIDS FRAGMENTS AND POLYPEPTIDE FRAGMENTS
RELATING TO MYCOBACTERIUM TUBERCULOSIS
FILE REFERENCE: 670001-2002.1
CURRENT APPLICATION NUMBER: US/09/050.739
CURRENT FILING DATE: 1998-03-30
EARLIER APPLICATION NUMBER: 0376/97
EARLIER FILING DATE: 1997-04-02
EARLIER APPLICATION NUMBER: 1277/97
EARLIER FILING DATE: 1997-11-10
EARLIER APPLICATION NUMBER: 60/044,624
EARLIER FILING DATE: 1997-04-18
EARLIER APPLICATION NUMBER: 60/070,488
EARLIER FILING DATE: 1998-01-05
NUMBER OF SEQ ID NOS: 173
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 71
LENGTH: 1890
TYPE: DNA
ORGANISM: Mycobacterium tuberculosis
US-09-050-739-71

Query Match 41.8%; Score 32.2; DB 3; Length 1890;
Best Local Similarity 82.2%; Pred. No. 0.86;
Matches 37; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

OY 1 ATGACCTGCGCGGACGATGACGAGCGGTAGCGATGAGTGGG 45
Db 26 ACGGCCGCGCGGACGATGACGAGCGGAGCGATGAGGAGG 70

RESULT 14

US-09-072-596-271/c
Sequence 271, Application US/09072596
Patent No. 645836
GENERAL INFORMATION:

APPLICANT: Reed, Steven G.
APPLICANT: Skeiky, Yasir A.W.
APPLICANT: Dillon, Davin C.
APPLICANT: Campos-Neto, Antonia
APPLICANT: Houghton, Raymond
APPLICANT: Vedrick, Thomas S.
APPLICANT: Twardzik, Daniel R.
APPLICANT: Lodes, Michael J.
APPLICANT: Hendrickson, Ronald C.
TITLE OF INVENTION: COMPOUNDS AND METHODS FOR DIAGNOSIS OF
NUMBER OF SEQUENCES: 350
CORRESPONDENCE ADDRESS: SEED and BERRY LLP
ADDRESSEE: SEED and BERRY LLP
STREET: 6300 Columbia Center, 701 Fifth Avenue
CITY: Seattle
STATE: Washington
COUNTRY: USA
ZIP: 98104-7092
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/072,596
FILING DATE: 05-MAY-1998
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Maki, David J.
REGISTRATION NUMBER: 31,392
REFERENCE/DOCKET NUMBER: 210121.417C9
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 622-4900
TELEFAX: (206) 682-6031
INFORMATION FOR SEQ ID NO: 271:
SEQUENCE CHARACTERISTICS:
LENGTH: 571 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
US-09-072-596-271

Query Match 38.4%; Score 29.6; DB 3; Length 571;
Best Local Similarity 88.9%; Pred. No. 4.7;
Matches 32; Conservative 0; Mismatches 4; Indels 0; Gaps 0;
QY 2 TGACCTGCGCGGAGAGATGACAGCGTACCGATG 37
DB 60 TGATCCGCGCGGAGAGATGACAGCGCGATG 25

RESULT 15
US-09-072-967-276/c
Sequence 276, Application US/09072967
Patent No. 6592877
GENERAL INFORMATION:
APPLICANT: Reed, Steven G.
APPLICANT: Skeiky, Yasir A.W.
APPLICANT: Dillon, Davin C.
APPLICANT: Campos-Neto, Antonio
APPLICANT: Houghton, Raymond
APPLICANT: Vedrick, Thomas S.
APPLICANT: Twardzik, Daniel R.
APPLICANT: Lodes, Michael J.
APPLICANT: Hendrickson, Ronald C.
TITLE OF INVENTION: COMPOUNDS AND METHODS FOR IMMUNOTHERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF TUBERCULOSIS
NUMBER OF SEQUENCES: 355
CORRESPONDENCE ADDRESS:
ADDRESSEE: SEED and BERRY LLP
STREET: 6300 Columbia Center, 701 Fifth Avenue
CITY: Seattle

STATE: Washington
COUNTRY: USA
ZIP: 98104-7092
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/072,967
FILING DATE: 05-MAY-1998
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Maki, David J.
REGISTRATION NUMBER: 31,392
REFERENCE/DOCKET NUMBER: 210121.411C9
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 622-4900
TELEFAX: (206) 682-6031
INFORMATION FOR SEQ ID NO: 276:
SEQUENCE CHARACTERISTICS:
LENGTH: 571 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
US-09-072-967-276

Query Match 38.4%; Score 29.6; DB 3; Length 571;
Best Local Similarity 88.9%; Pred. No. 4.7;
Matches 32; Conservative 0; Mismatches 4; Indels 0; Gaps 0;
QY 2 TGACCTGCGCGGAGAGATGACAGCGTACCGATG 37
DB 60 TGATCCGCGCGGAGAGATGACAGCGCGATG 25

Search completed: January 11, 2006, 18:36:31
Job time: 151.162 secs

RESULT 2
US-10-080-170-648
; Sequence 648, Application US/10080170
; Publication No. US20030129601A1
; GENERAL INFORMATION:
; APPLICANT: COLE, S.T.

```

; TITLE OF INVENTION: COMPARATIVE MYCOBACTERIAL GENOMICS AS A TOOL FOR
; IDENTIFYING TARGETS FOR THE DIAGNOSIS, PROPHYLAXIS OR
; TREATMENT OF MYCOBACTERIOSES
; FILE REFERENCE: 03495.0218
; CURRENT APPLICATION NUMBER: US/10/080,170
; CURRENT FILING DATE: 2002-06-10
; PRIOR APPLICATION NUMBER: 60/270,123
; PRIOR FILING DATE: 2001-02-22
; NUMBER OF SEQ ID NOS: 652
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 648
; LENGTH: 86114
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
US-10-080-170-648

Query Match          100.0%; Score 77; DB 6; Length 86114;
Best Local Similarity 100.0%; Pred. No. 2.8e-16;
Matches 77; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1  ATGACCTGCCCGCAGACGATGACGATGAGTGGGGGACACCCCGCTTGC 60
        |||||||
DB      67175  ATGACCTGCCCGCAGACGATGACGATGAGTGGGGGACACCCCGCTTGC 67234

QY      61  GGGGAGAGTGGCGCTG 77
        |||||||
DB      67235  GGGGAGAGTGGCGCTG 67251

RESULT 3
US-10-080-170-648
; Sequence 648, Application US/10080170
; Publication No. US20040121322a9
; GENERAL INFORMATION:
; APPLICANT: COLE, S.T.
; TITLE OF INVENTION: COMPARATIVE MYCOBACTERIAL GENOMICS AS A TOOL FOR
; IDENTIFYING TARGETS FOR THE DIAGNOSIS, PROPHYLAXIS OR
; TREATMENT OF MYCOBACTERIOSES
; FILE REFERENCE: 03495.0218
; CURRENT APPLICATION NUMBER: US/10/080,170
; CURRENT FILING DATE: 2002-06-10
; PRIOR APPLICATION NUMBER: 60/270,123
; PRIOR FILING DATE: 2001-02-22
; NUMBER OF SEQ ID NOS: 652
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 648
; LENGTH: 86114
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
US-10-080-170-648

Query Match          100.0%; Score 77; DB 7; Length 86114;
Best Local Similarity 100.0%; Pred. No. 2.8e-16;
Matches 77; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1  ATGACCTGCCCGCAGACGATGACGATGAGTGGGGGACACCCCGCTTGC 60
        |||||||
DB      67175  ATGACCTGCCCGCAGACGATGACGATGAGTGGGGGACACCCCGCTTGC 67234

QY      61  GGGGAGAGTGGCGCTG 77
        |||||||
DB      67235  GGGGAGAGTGGCGCTG 67251

RESULT 4
US-10-468-356-648
; Sequence 648, Application US/10468356
; Publication No. US20040197896a1
; GENERAL INFORMATION:
; APPLICANT: COLE, STEWART
; TITLE OF INVENTION: COMPARATIVE MYCOBACTERIAL GENOMICS AS A TOOL FOR
; IDENTIFYING TARGETS FOR THE DIAGNOSIS, PROPHYLAXIS OR
; TREATMENT OF MYCOBACTERIOSES
```

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; FILE REFERENCE: 05394.0019
; CURRENT APPLICATION NUMBER: US/10/468,356
; CURRENT FILING DATE: 2003-08-19
; PRIOR APPLICATION NUMBER: 10/080,170
; PRIOR FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/270,123
; PRIOR FILING DATE: 2001-02-22
; NUMBER OF SEQ ID NOS: 655
; SOFTWARE: PatentIn Ver. 3.2
; SEQ ID NO 648
; LENGTH: 86114
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
US-10-468-356-648

Query Match          100.0%; Score 77; DB 8; Length 86114;
Best Local Similarity 100.0%; Pred. No. 2.8e-16;
Matches 77; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1  ATGACCTGCCCGCAGACGATGACGATGAGTGGGGGACACCCCGCTTGC 60
        |||||||
DB      67175  ATGACCTGCCCGCAGACGATGACGATGAGTGGGGGACACCCCGCTTGC 67234

QY      61  GGGGAGAGTGGCGCTG 77
        |||||||
DB      67235  GGGGAGAGTGGCGCTG 67251

RESULT 5
US-10-086-206-2
; Sequence 2, Application US/10086206
; Publication No. US20030124546a1
; GENERAL INFORMATION:
; APPLICANT: Magdalena, J
; APPLICANT: Supply, P
; APPLICANT: Lochr, C
; TITLE OF INVENTION: M. TUBERCULOSIS COMPLEX MEMBERS MYCOBACTERIA SPECIFIC
; NUCLEIC ACID FRAGMENTS AND THEIR APPLICATIONS FOR THE
; DETECTION AND DIFFERENTIAL DIAGNOSIS OF M. TUBERCULOSIS
; TITLE OF INVENTION: COMPLEX MEMBERS
; FILE REFERENCE: 408.014
; CURRENT APPLICATION NUMBER: US/10/086,206
; CURRENT FILING DATE: 2002-02-28
; PRIOR APPLICATION NUMBER: PCT/FR97/01483
; PRIOR FILING DATE: 1997-08-12
; PRIOR APPLICATION NUMBER: FR 96/10277
; PRIOR FILING DATE: 1996-08-19
; NUMBER OF SEQ ID NOS: 11
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 53
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
US-10-086-206-2

Query Match          54.3%; Score 41.8; DB 6; Length 53;
Best Local Similarity 95.6%; Pred. No. 0.00027;
Matches 43; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      1  ATGACCTGCCCGCAGACGATGACGATGAGTGGGGGACACCCCGCTTGC 45
        |||||||
DB      1  ATGACCTGCCCGCAGACGATGACGATGAGTGGGGGACACCCCGCTTGC 45

RESULT 6
US-10-755-415-137
; Sequence 137, Application US/10755415
; Publication No. US20050136480a1
; GENERAL INFORMATION:
; APPLICANT: BRAHMACHARI, SAMIR KUMAR
; APPLICANT: DASH, DEBASIS
; APPLICANT: SHARMA, RAMAKANT
; APPLICANT: MAHESHWARI, JITENDRA KUMAR
```

```

; TITLE OF INVENTION: A COMPUTER BASED VERSATILE METHOD FOR IDENTIFYING PROTEIN CODING
; FILE REFERENCE: DNA SEQUENCES USEFUL AS DRUG TARGETS
; CURRENT APPLICATION NUMBER: US/10/755,415
; PRIOR FILING DATE: 2004-01-13
; PRIOR APPLICATION NUMBER: 10/727,989
; PRIOR FILING DATE: 2003-12-05
; NUMBER OF SEQ ID NOS: 373
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 137
; LENGTH: 471
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
; US-10-755-415-137

```

```

Query Match      51.9%; Score 40; DB 9; Length 471;
Best Local Similarity 89.6%; Pred. No. 0.00088;
Matches 43; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

```

```

Qy      28 CGTAGCATGAGTGGGGGCGACACCGCGCTTGCGGGGAGAGTGCGCG 75
Db      33 CGAAGCATGAGTGGGGGCGACCGCGCTTGCGAGGAGAGCGCGCG 80

```

```

RESULT 7
; Sequence 26639, Application US/10282122A
; Publication No. US20040029129A1
; GENERAL INFORMATION:
; APPLICANT: Wang, Liangsu
; APPLICANT: Zamudio, Carlos
; APPLICANT: Malone, Cheryl
; APPLICANT: Haselbeck, Robert
; APPLICANT: Ohlsen, Karl
; APPLICANT: Zykkind, Judith
; APPLICANT: Wall, Daniel
; APPLICANT: Trawick, John
; APPLICANT: Carr, Grant
; APPLICANT: Yamamoto, Robert
; APPLICANT: Forsyth, R.
; APPLICANT: Xu, H.
; TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
; FILE REFERENCE: EITRA.034A
; CURRENT APPLICATION NUMBER: US/10/282,122A
; CURRENT FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: 60/191,078
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/206,848
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/207,727
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/230,335
; PRIOR FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: 60/230,347
; PRIOR FILING DATE: 2000-09-09
; PRIOR APPLICATION NUMBER: 60/242,578
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/253,625
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/257,931
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/267,636
; PRIOR FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/269,308
; Remaining Prior Application data removed - See file wrapper or PALM.
; NUMBER OF SEQ ID NOS: 78614
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 26639
; LENGTH: 975
; TYPE: DNA
; ORGANISM: Mycobacterium bovis
; US-10-282-122A-26639

```

```

Query Match      48.8%; Score 37.6; DB 7; Length 975;
Best Local Similarity 90.9%; Pred. No. 0.0052;
Matches 40; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

```

```

Qy      32 GCGATGAGTGGGGGCGACACCGCGCTTGCGGGGAGAGTGCGCG 75
Db      895 GCGATGAGTGGGGGCGACCGCGCTTGCGAGGAGAGACCGCGCG 938

```

```

RESULT 8
; Sequence 96, Application US/10481265
; Publication No. US20040254349A1
; GENERAL INFORMATION:
; APPLICANT: James, Brian William
; APPLICANT: Bacon, Joanna
; APPLICANT: Marsh, Philip
; TITLE OF INVENTION: Mycobacterial Antigens Expressed Under Low Oxygen Tension
; FILE REFERENCE: 1581.1020000
; CURRENT APPLICATION NUMBER: US/10/481,265
; CURRENT FILING DATE: 2003-12-19
; PRIOR APPLICATION NUMBER: GB 0115365.9
; PRIOR FILING DATE: 2001-06-22
; PRIOR APPLICATION NUMBER: GB 0121780.1
; PRIOR FILING DATE: 2001-09-07
; PRIOR APPLICATION NUMBER: PCT/GB02/02845
; PRIOR FILING DATE: 2002-06-21
; NUMBER OF SEQ ID NOS: 138
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 96
; LENGTH: 975
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
; US-10-481-265-96

```

```

Query Match      48.8%; Score 37.6; DB 8; Length 975;
Best Local Similarity 90.9%; Pred. No. 0.0052;
Matches 40; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

```

```

Qy      32 GCGATGAGTGGGGGCGACACCGCGCTTGCGGGGAGAGTGCGCG 75
Db      895 GCGATGAGTGGGGGCGACCGCGCTTGCGAGGAGAGACCGCGCG 938

```

```

RESULT 9
; Sequence 28344, Application US/10282122A
; Publication No. US20040029129A1
; GENERAL INFORMATION:
; APPLICANT: Wang, Liangsu
; APPLICANT: Zamudio, Carlos
; APPLICANT: Malone, Cheryl
; APPLICANT: Haselbeck, Robert
; APPLICANT: Ohlsen, Karl
; APPLICANT: Zykkind, Judith
; APPLICANT: Wall, Daniel
; APPLICANT: Trawick, John
; APPLICANT: Carr, Grant
; APPLICANT: Yamamoto, Robert
; APPLICANT: Forsyth, R.
; APPLICANT: Xu, H.
; TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
; FILE REFERENCE: EITRA.034A
; CURRENT APPLICATION NUMBER: US/10/282,122A
; CURRENT FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: 60/191,078
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/206,848
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/207,727
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/230,335

```

```

; PRIOR FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: 60/230,347
; PRIOR FILING DATE: 2000-09-09
; PRIOR APPLICATION NUMBER: 60/242,578
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/253,625
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/257,931
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/267,636
; PRIOR FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/269,308
; PRIOR FILING DATE: 2001-02-16
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 78614
; SOFTWARE: PatentIn version 3.1
; LENGTH: 978
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
; US-10-282-122A-28344

Query Match
Best Local Similarity 48.8%; Score 37.6; DB 7; Length 978;
Matches 40; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Cy 32 GCGATGAGTGGGGGACCAACCGCTTGGCGGGAGAGTGGCGC 75
Db 895 GCGATGAGTGGGGGACCTCCCTTGCAGGGAGAAACGGCGC 938

RESULT 10
US-10-282-122A-26508
; Sequence 26508, Application US/10282122A
; Publication No. US20040029129A1
; GENERAL INFORMATION:
; APPLICANT: Wang, Liangsu
; APPLICANT: Zamudio, Carlos
; APPLICANT: Malone, Cheryl
; APPLICANT: Haselbeck, Robert
; APPLICANT: Ohlsen, Kari
; APPLICANT: Zvekind, Judith
; APPLICANT: Wall, Daniel
; APPLICANT: Trawick, John
; APPLICANT: Carr, Grant
; APPLICANT: Yamamoto, Robert
; APPLICANT: Forsyth, R.
; APPLICANT: Xu, H.
; TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
; FILE REFERENCE: EITRA.034A
; CURRENT FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: 60/191,078
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/206,848
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/207,727
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/230,335
; PRIOR FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: 60/230,347
; PRIOR FILING DATE: 2000-09-09
; PRIOR APPLICATION NUMBER: 60/242,578
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/253,625
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/257,931
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/267,636
; PRIOR FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/269,308
; PRIOR FILING DATE: 2001-02-16
; Remaining Prior Application data removed - See File Wrapper or PALM.
```

```

; NUMBER OF SEQ ID NOS: 78614
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 26508
; LENGTH: 1803
; TYPE: DNA
; ORGANISM: Mycobacterium bovis
; US-10-282-122A-26508

Query Match
Best Local Similarity 47.0%; Score 36.2; DB 7; Length 1803;
Matches 38; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Cy 35 ATGAGTGGGGGACCAACCGCTTGGCGGGAGAGTGGCGC 75
Db 1760 ATGAGTGGGGGACCTCCCTTGCAGGGAGAGCGCGC 1800

RESULT 11
US-10-510-021-2
; Sequence 2, Application US/10510021
; Publication No. US2005022081A1
; GENERAL INFORMATION:
; APPLICANT: Cole, Stewart
; APPLICANT: Brosch, Roland
; APPLICANT: Brodin, Priscille
; APPLICANT: Majlessi, Laleh
; APPLICANT: Demangel, Caroline
; APPLICANT: Leclerc, Claude
; TITLE OF INVENTION: Identification of virulence associated regions RD1 and
; TITLE OF INVENTION: RD5 leading to improve vaccine of M. bovis BCG and M.
; FILE REFERENCE: D20217
; CURRENT APPLICATION NUMBER: US/10/510,021
; CURRENT FILING DATE: 2004-10-01
; PRIOR APPLICATION NUMBER: PCT/IB03/01789
; PRIOR FILING DATE: 2003-04-01
; PRIOR APPLICATION NUMBER: EP 02/290864
; PRIOR FILING DATE: 2002-04-05
; NUMBER OF SEQ ID NOS: 75
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 13773
; TYPE: DNA
; ORGANISM: mycobacterium tuberculosis
; FEATURE:
; OTHER INFORMATION: Complete DNA sequence of RD1 RV3867-3877
; US-10-510-021-2

Query Match
Best Local Similarity 44.7%; Score 34.4; DB 9; Length 13773;
Matches 38; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

Cy 2 TGACCTGGCGGACGAGATGCAAGCGTAGCGATGAGGGGG 45
Db 5953 TGACCGCGCGCGGACGATGCAAGCGCAGGATGAGAGAG 5996

RESULT 12
US-10-510-021-1
; Sequence 1, Application US/10510021
; Publication No. US2005022081A1
; GENERAL INFORMATION:
; APPLICANT: Cole, Stewart
; APPLICANT: Pym, Alexander S
; APPLICANT: Brosch, Roland
; APPLICANT: Brodin, Priscille
; APPLICANT: Majlessi, Laleh
; APPLICANT: Demangel, Caroline
; APPLICANT: Leclerc, Claude
; TITLE OF INVENTION: Identification of virulence associated regions RD1 and
; TITLE OF INVENTION: RD5 leading to improve vaccine of M. bovis BCG and M.
; TITLE OF INVENTION: MltC01
```


FILE REFERENCE: D20217
CURRENT APPLICATION NUMBER: US/10/510,021
CURRENT FILING DATE: 2004-10-01
PRIOR APPLICATION NUMBER: PCT/IB03/01789
PRIOR FILING DATE: 2003-04-01
PRIOR APPLICATION NUMBER: EP 02/290864
PRIOR FILING DATE: 2002-04-05
NUMBER OF SEQ ID NOS: 75
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 1
LENGTH: 31808
TYPE: DNA
ORGANISM: Mycobacterium tuberculosis
FEATURE:
OTHER INFORMATION: Insert of cosmid RD1-2f9 corresponding to sequence
OTHER INFORMATION: in the genome of mycobacterium tuberculosis H37Rv
US-10-510-021-1

Query Match 44.7%; Score 34.4; DB 9; Length 31808;
Best Local Similarity 86.4%; Pred. No. 0.045;
Matches 38; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

QY 2 TGACCTGCGCGGACGAGATGACAGCGTAGCGATGAGTGCGG 45
DB 11914 TGACCGCGCGCGGACGAGATGCAAGCGCGAGATGAGAGAG 11957

RESULT 13
US-09-791-171-71
Sequence 71, Application US/09791171
Patent No. US20020094336A1
GENERAL INFORMATION:
APPLICANT: ANDERSEN, Peter
APPLICANT: NIELSEN, Rikke
APPLICANT: OETTINGER, Thomas
APPLICANT: RASMUSSEN, Peter Birk
APPLICANT: ROSENKRANDS, Ida
APPLICANT: WELDLING, Karin
TITLE OF INVENTION: NUCLEIC ACIDS FRAGMENTS AND POLYPEPTIDE FRAGMENTS
TITLE OF INVENTION: DERIVED FROM M. TUBERCULOSIS
FILE REFERENCE: 670001-2002.1
CURRENT APPLICATION NUMBER: US/09/791,171
CURRENT FILING DATE: 2001-02-20
PRIOR APPLICATION NUMBER: 09/050,739
PRIOR FILING DATE: 1998-03-30
PRIOR APPLICATION NUMBER: 0376/97
PRIOR FILING DATE: 1997-04-02
PRIOR APPLICATION NUMBER: 1277/97
PRIOR FILING DATE: 1997-11-10
PRIOR APPLICATION NUMBER: 60/044,624
PRIOR FILING DATE: 1997-04-18
PRIOR APPLICATION NUMBER: 60/070,488
PRIOR FILING DATE: 1998-01-05
NUMBER OF SEQ ID NOS: 173
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 71
LENGTH: 1890
TYPE: DNA
ORGANISM: Mycobacterium tuberculosis
US-09-791-171-71

Query Match 41.8%; Score 32.2; DB 3; Length 1890;
Best Local Similarity 82.2%; Pred. No. 0.31;
Matches 37; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

QY 1 ATGACCTGCGCGGACGAGATGACAGCGTAGCGATGAGTGCGG 45
DB 26 ACGGCGCGCGCGGACGAGATGCAAGCGCGAGATGAGAGAG 70

RESULT 14
US-09-804-980-71

Sequence 71, Application US/09804980
Publication No. US20030147897A1
GENERAL INFORMATION:
APPLICANT: Statens Serum Institut
APPLICANT: Andersen, Peter
TITLE OF INVENTION: M. tuberculosis Antigens
FILE REFERENCE: 670001-2002.4
CURRENT APPLICATION NUMBER: US/09/804,980
CURRENT FILING DATE: 2001-03-12
NUMBER OF SEQ ID NOS: 257
SOFTWARE: Patentin version 3.0
SEQ ID NO 71
LENGTH: 1890
TYPE: DNA
ORGANISM: Mycobacterium tuberculosis
US-09-804-980-71

Query Match 41.8%; Score 32.2; DB 3; Length 1890;
Best Local Similarity 82.2%; Pred. No. 0.31;
Matches 37; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

QY 1 ATGACCTGCGCGGACGAGATGACAGCGTAGCGATGAGTGCGG 45
DB 26 ACGGCGCGCGCGGACGAGATGCAAGCGCGAGATGAGAGAG 70

RESULT 15
US-10-620-246-71
Sequence 71, Application US/10620246
Publication No. US20040115211A1
GENERAL INFORMATION:
APPLICANT: ANDERSEN, Peter
APPLICANT: NIELSEN, Rikke
APPLICANT: OETTINGER, Thomas
APPLICANT: RASMUSSEN, Peter Birk
APPLICANT: ROSENKRANDS, Ida
APPLICANT: WELDLING, Karin
TITLE OF INVENTION: NUCLEIC ACIDS FRAGMENTS AND POLYPEPTIDE FRAGMENTS
TITLE OF INVENTION: DERIVED FROM M. TUBERCULOSIS
FILE REFERENCE: 670001-2002.1A
CURRENT APPLICATION NUMBER: US/10/620,246
CURRENT FILING DATE: 2003-07-15
PRIOR APPLICATION NUMBER: 09/050,739
PRIOR FILING DATE: 1998-03-30
PRIOR APPLICATION NUMBER: 0376/97
PRIOR FILING DATE: 1997-04-02
PRIOR APPLICATION NUMBER: 1277/97
PRIOR FILING DATE: 1997-11-10
PRIOR APPLICATION NUMBER: 60/044,624
PRIOR FILING DATE: 1997-04-18
PRIOR APPLICATION NUMBER: 60/070,488
PRIOR FILING DATE: 1998-01-05
PRIOR APPLICATION NUMBER: 10/138,473
PRIOR FILING DATE: 2002-05-02
PRIOR APPLICATION NUMBER: 09/791,171
PRIOR FILING DATE: 2001-02-20
PRIOR APPLICATION NUMBER: 09/415,884
PRIOR FILING DATE: 1999-10-08
PRIOR APPLICATION NUMBER: 60/116,673
PRIOR FILING DATE: 1999-01-21
PRIOR APPLICATION NUMBER: 1281/98
PRIOR FILING DATE: 1998-10-08
NUMBER OF SEQ ID NOS: 173
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 71
LENGTH: 1890
TYPE: DNA
ORGANISM: Mycobacterium tuberculosis
US-10-620-246-71

Query Match 41.8%; Score 32.2; DB 7; Length 1890;
Best Local Similarity 82.2%; Pred. No. 0.31;

Matches 37; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

Qy 1 ATGACCTGCCCGACGACGATGACGAGCGTACCGATGAGGTGGG 45

Db 26 ACGGCCCGCGCGCGCGACGATGCAAGCGCGACGCGATGAGGAGAG 70

Search completed: January 11, 2006, 21:19:33
 Job time : 618.408 secs


```
; FILE REFERENCE: 010099.03
; CURRENT APPLICATION NUMBER: US/11/075,185
; CURRENT FILING DATE: 2005-03-07
; PRIOR APPLICATION NUMBER: US 60/551,103
; PRIOR FILING DATE: 2004-03-08
; PRIOR APPLICATION NUMBER: US 60/568,280
; PRIOR FILING DATE: 2004-05-04
; NUMBER OF SEQ ID NOS: 61
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 1
; LENGTH: 78869
; TYPE: DNA
; ORGANISM: Sorangium cellulosum
US-11-075-185-1
```

```
Query Match      38.7%; Score 29.8; DB 7; Length 78869;
Best Local Similarity 63.0%; Pred. No. 2.3;
Matches 46; Conservative 0; Mismatches 27; Indels 0; Gaps 0;
```

```
OY      2  TGAACCTGCGCCGACGACGATGCGATGAGTGGGGGACACCGCGCTTGG 61
Db      46769  TGCCCCCGCCCTCGACGATGTGAGCGTGGGATTTGCGCGCGACGCGCTTGG 46710
```

```
OY      62  GGGGAGAGTGCG 74
Db      46709  GCGTGATGTGTCG 46697
```

RESULT 3

```
US-11-181-587-25/c
; Sequence 25, Application US/1181587
; Publication No. US20050266492A1
; GENERAL INFORMATION:
; APPLICANT: Keim, Paul S.
; APPLICANT: Spurgiesz, Robert S.
; TITLE OF INVENTION: High Resolution Typing System for Pathogenic Mycobacterium Tuberc
; FILE REFERENCE: 112624.00085 DIV
; CURRENT APPLICATION NUMBER: US/11/181,587
; CURRENT FILING DATE: 2005-07-13
; PRIOR APPLICATION NUMBER: US 60/397,224
; PRIOR FILING DATE: 2002-07-19
; NUMBER OF SEQ ID NOS: 27
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 25
; LENGTH: 647
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Mycobacterium tuberculosis amplicon
US-11-181-587-25
```

```
Query Match      38.4%; Score 29.6; DB 7; Length 647;
Best Local Similarity 79.5%; Pred. No. 3.1;
Matches 35; Conservative 0; Mismatches 9; Indels 0; Gaps 0;
```

```
OY      30  TAGCGATGAGGTGGGGCACCACCGCTTGGCGGGGAGAGTGGC 73
Db      363  TGGTGATGACCTGGGGGAGCTCCCGCTTGGCGGGGAGATGGCC 320
```

```
RESULT 4
US-10-802-796-526/c
; Sequence 526, Application US/10802796
; Publication No. US20050250104A1
; GENERAL INFORMATION:
```

```
; APPLICANT: COLE, STEWART
; APPLICANT: BUCHRIESES-BROSCH, ROLAND
; APPLICANT: GORDON, STEPHEN
; APPLICANT: BILLAUDT, ALAIN
; TITLE OF INVENTION: A METHOD FOR ISOLATING A POLYNUCLEOTIDE OF INTEREST
; TITLE OF INVENTION: FROM THE GENOME OF A MYCOBACTERIUM USING A BAC-BASED
; TITLE OF INVENTION: DNA LIBRARY. APPLICATION TO THE DETECTION OF
```

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; TITLE OF INVENTION: MYCOBACTERIA.
```

```
; FILE REFERENCE: 05394.0011-00000
; CURRENT APPLICATION NUMBER: US/10/802,796
; CURRENT FILING DATE: 2004-03-18
; PRIOR APPLICATION NUMBER: US/09/673,476
; PRIOR FILING DATE: 2002-03-29
; PRIOR APPLICATION NUMBER: PCT/IB99/00740
; PRIOR FILING DATE: 1999-04-16
; PRIOR APPLICATION NUMBER: 09/060,756
; PRIOR FILING DATE: 1998-04-16
; NUMBER OF SEQ ID NOS: 743
; SOFTWARE: PatentIn Ver. 2.2
; SEQ ID NO 526
; LENGTH: 173
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
US-10-802-796-526
```

```
Query Match      37.7%; Score 29; DB 6; Length 173;
Best Local Similarity 86.5%; Pred. No. 4.8;
Matches 32; Conservative 0; Mismatches 5; Indels 0; Gaps 0;
```

```
OY      9  CGCCGACGACGATGACGAGCGTAGCGATGAGTGGGG 45
Db      76  CGCCGCGACGATGCCGAGCGCAGCGATGAGAGAG 40
```

RESULT 5

```
US-10-802-796-597/c
; Sequence 597, Application US/10802796
; Publication No. US20050250104A1
; GENERAL INFORMATION:
; APPLICANT: COLE, STEWART
; APPLICANT: BUCHRIESES-BROSCH, ROLAND
; APPLICANT: GORDON, STEPHEN
; APPLICANT: BILLAUDT, ALAIN
; TITLE OF INVENTION: A METHOD FOR ISOLATING A POLYNUCLEOTIDE OF INTEREST
; TITLE OF INVENTION: FROM THE GENOME OF A MYCOBACTERIUM USING A BAC-BASED
; TITLE OF INVENTION: DNA LIBRARY. APPLICATION TO THE DETECTION OF
; FILE REFERENCE: 05394.0011-00000
; CURRENT APPLICATION NUMBER: US/10/802,796
; CURRENT FILING DATE: 2004-03-18
; PRIOR APPLICATION NUMBER: US/09/673,476
; PRIOR FILING DATE: 2002-03-29
; PRIOR APPLICATION NUMBER: PCT/IB99/00740
; PRIOR FILING DATE: 1999-04-16
; PRIOR APPLICATION NUMBER: 09/060,756
; PRIOR FILING DATE: 1998-04-16
; NUMBER OF SEQ ID NOS: 743
; SOFTWARE: PatentIn Ver. 2.2
; SEQ ID NO 597
; LENGTH: 234
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
US-10-802-796-597
```

```
Query Match      37.7%; Score 29; DB 6; Length 234;
Best Local Similarity 86.5%; Pred. No. 4.7;
Matches 32; Conservative 0; Mismatches 5; Indels 0; Gaps 0;
```

```
OY      9  CGCCGACGACGATGACGAGCGTAGCGATGAGTGGGG 45
Db      84  CGCCGCGACGATGCCGAGCGCAGCGATGAGAGAG 48
```

```
RESULT 6
US-10-802-796-586/c
; Sequence 586, Application US/10802796
; Publication No. US20050250104A1
; GENERAL INFORMATION:
```

```
; APPLICANT: COLE, STEWART
; APPLICANT: BUCHRIESES-BROSCH, ROLAND
```

```
; APPLICANT: GORDON, STEPHEN
; APPLICANT: BILLAULT, ALAIN
; TITLE OF INVENTION: A METHOD FOR ISOLATING A POLYNUCLEOTIDE OF INTEREST
; TITLE OF INVENTION: FROM THE GENOME OF A MYCOBACTERIUM USING A BAC-BASED
; TITLE OF INVENTION: DNA LIBRARY. APPLICATION TO THE DETECTION OF
; TITLE OF INVENTION: MYCOBACTERIA.
; FILE REFERENCE: 05394.0011-00000
; CURRENT APPLICATION NUMBER: US/10/802,796
; CURRENT FILING DATE: 2004-03-18
; PRIOR APPLICATION NUMBER: US/09/673,476
; PRIOR FILING DATE: 2002-03-29
; PRIOR APPLICATION NUMBER: PCT/IB99/00740
; PRIOR FILING DATE: 1999-04-16
; PRIOR APPLICATION NUMBER: 09/060,756
; PRIOR FILING DATE: 1998-04-16
; NUMBER OF SEQ ID NOS: 743
; SOFTWARE: PatentIn Ver. 2.2
; SEQ ID NO 586
; LENGTH: 241
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
; US-10-802-796-586
```

```
Query Match          37.7%; Score 29; DB 6; Length 241;
Best Local Similarity 86.5%; Pred. No. 4.7;
Matches 32; Conservative 0; Mismatches 5; Indels 0; Gaps 0;
```

```
QY 9 CGCCGACGACGATGCAGCGGTAGCGATGAGTGGGG 45
DB 64 CGCCGCGACGATGCCGAGCGCGACGATGAGGAGAG 28
```

```
RESULT 7
US-10-802-796-635/c
; Sequence 635, Application US/10802796
; Publication No. US20050250104A1
; GENERAL INFORMATION:
; APPLICANT: COLE, STEWART
; APPLICANT: BUCHRIESER-BROSCH, ROLAND
; APPLICANT: GORDON, STEPHEN
; APPLICANT: BILLAULT, ALAIN
; TITLE OF INVENTION: A METHOD FOR ISOLATING A POLYNUCLEOTIDE OF INTEREST
; TITLE OF INVENTION: FROM THE GENOME OF A MYCOBACTERIUM USING A BAC-BASED
; TITLE OF INVENTION: DNA LIBRARY. APPLICATION TO THE DETECTION OF
; TITLE OF INVENTION: MYCOBACTERIA.
; FILE REFERENCE: 05394.0011-00000
; CURRENT APPLICATION NUMBER: US/10/802,796
; CURRENT FILING DATE: 2004-03-18
; PRIOR APPLICATION NUMBER: US/09/673,476
; PRIOR FILING DATE: 2002-03-29
; PRIOR APPLICATION NUMBER: PCT/IB99/00740
; PRIOR FILING DATE: 1999-04-16
; PRIOR APPLICATION NUMBER: 09/060,756
; PRIOR FILING DATE: 1998-04-16
; NUMBER OF SEQ ID NOS: 743
; SOFTWARE: PatentIn Ver. 2.2
; SEQ ID NO 635
; LENGTH: 376
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
; US-10-802-796-635
```

```
Query Match          37.7%; Score 29; DB 6; Length 376;
Best Local Similarity 86.5%; Pred. No. 4.7;
Matches 32; Conservative 0; Mismatches 5; Indels 0; Gaps 0;
```

```
QY 9 CGCCGACGACGATGCAGCGGTAGCGATGAGTGGGG 45
DB 87 CGCCGCGACGATGCCGAGCGCGACGATGAGGAGAG 51
```

```
RESULT 8
US-10-802-796-521/c
```

```
; Sequence 521, Application US/10802796
; Publication No. US20050250104A1
; GENERAL INFORMATION:
; APPLICANT: COLE, STEWART
; APPLICANT: BUCHRIESER-BROSCH, ROLAND
; APPLICANT: GORDON, STEPHEN
; APPLICANT: BILLAULT, ALAIN
; TITLE OF INVENTION: A METHOD FOR ISOLATING A POLYNUCLEOTIDE OF INTEREST
; TITLE OF INVENTION: FROM THE GENOME OF A MYCOBACTERIUM USING A BAC-BASED
; TITLE OF INVENTION: DNA LIBRARY. APPLICATION TO THE DETECTION OF
; TITLE OF INVENTION: MYCOBACTERIA.
; FILE REFERENCE: 05394.0011-00000
; CURRENT APPLICATION NUMBER: US/10/802,796
; CURRENT FILING DATE: 2004-03-18
; PRIOR APPLICATION NUMBER: US/09/673,476
; PRIOR FILING DATE: 2002-03-29
; PRIOR APPLICATION NUMBER: PCT/IB99/00740
; PRIOR FILING DATE: 1999-04-16
; PRIOR APPLICATION NUMBER: 09/060,756
; PRIOR FILING DATE: 1998-04-16
; NUMBER OF SEQ ID NOS: 743
; SOFTWARE: PatentIn Ver. 2.2
; SEQ ID NO 521
; LENGTH: 406
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
; US-10-802-796-521
```

```
Query Match          37.7%; Score 29; DB 6; Length 406;
Best Local Similarity 86.5%; Pred. No. 4.6;
Matches 32; Conservative 0; Mismatches 5; Indels 0; Gaps 0;
```

```
QY 9 CGCCGACGACGATGCAGCGGTAGCGATGAGTGGGG 45
DB 59 CGCCGCGACGATGCCGAGCGCGACGATGAGGAGAG 23
```

```
RESULT 9
US-10-802-796-60/c
; Sequence 60, Application US/10802796
; Publication No. US20050250104A1
; GENERAL INFORMATION:
; APPLICANT: COLE, STEWART
; APPLICANT: BUCHRIESER-BROSCH, ROLAND
; APPLICANT: GORDON, STEPHEN
; APPLICANT: BILLAULT, ALAIN
; TITLE OF INVENTION: A METHOD FOR ISOLATING A POLYNUCLEOTIDE OF INTEREST
; TITLE OF INVENTION: FROM THE GENOME OF A MYCOBACTERIUM USING A BAC-BASED
; TITLE OF INVENTION: DNA LIBRARY. APPLICATION TO THE DETECTION OF
; TITLE OF INVENTION: MYCOBACTERIA.
; FILE REFERENCE: 05394.0011-00000
; CURRENT APPLICATION NUMBER: US/10/802,796
; CURRENT FILING DATE: 2004-03-18
; PRIOR APPLICATION NUMBER: US/09/673,476
; PRIOR FILING DATE: 2002-03-29
; PRIOR APPLICATION NUMBER: PCT/IB99/00740
; PRIOR FILING DATE: 1999-04-16
; PRIOR APPLICATION NUMBER: 09/060,756
; PRIOR FILING DATE: 1998-04-16
; NUMBER OF SEQ ID NOS: 743
; SOFTWARE: PatentIn Ver. 2.2
; SEQ ID NO 60
; LENGTH: 448
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
```

```
FEATURE:
; NAME/KEY: modified_base
; LOCATION: (154)..(155)
; OTHER INFORMATION: a, c, c or g
; NAME/KEY: modified_base
; LOCATION: (322)
; OTHER INFORMATION: a, t, c or g
```

```
FEATURE:
NAME/KEY: modified_base
LOCATION: (334)
OTHER INFORMATION: a, t, c or g
FEATURE:
NAME/KEY: modified_base
LOCATION: (347)
OTHER INFORMATION: a, t, c or g
US-10-802-796-60
```

```
Query Match          35.1%; Score 27; DB 6; Length 448;
Best Local Similarity 85.7%; Pred. No. 18;
Matches 30; Conservative 0; Mismatches 5; Indels 0; Gaps 0;
```

```
QY      11  CCGACGACGATGCGACGCGTGGCGATGAGTGCGG 45
Db      428  CCGGGGACGATGCGACGCGAAGCGATGAGGAGGAG 394
```

```
RESULT 10
US-11-000-688-245
Sequence 245, Application US/11000688
Publication No. US20050287544A1
GENERAL INFORMATION:
APPLICANT: BERTUCCI, Francois
APPLICANT: HOULEGATE, Remi
APPLICANT: BIRNBAUM, Daniel
TITLE OF INVENTION: GENE EXPRESSION PROFILING OF COLON CANCER WITH DNA ARRAYS
FILE REFERENCE: 1423-R-03
CURRENT APPLICATION NUMBER: US/11/000,688
CURRENT FILING DATE: 2004-12-01
PRIOR APPLICATION NUMBER: US 60/525,987
PRIOR FILING DATE: 2003-12-01
NUMBER OF SEQ ID NOS: 1596
SOFTWARE: PatentIn version 3.2
SEQ ID NO 245
LENGTH: 2627
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial sequences: primer
FEATURE:
NAME/KEY: misc_feature
LOCATION: (1)..(2627)
OTHER INFORMATION: phospholipase C, delta 1(PLCD1) gene.
US-11-000-688-245
```

```
Query Match          34.5%; Score 26.6; DB 7; Length 2627;
Best Local Similarity 63.1%; Pred. No. 22;
Matches 41; Conservative 0; Mismatches 24; Indels 0; Gaps 0;
```

```
QY      13  GACGACGATGCGACGCGTGGCGACCGCGCTTGGCGGAGAGTG 72
Db      1393  GAAATCTCTGCTGAAGGGAAGAGCTCGGGGGCTCTCCCTCTGAGGGGAGGGTGG 1452
```

```
QY      73  CGCTG 77
Db      1453  CCCTG 1457
```

```
RESULT 11
US-10-972-053-3/c
Sequence 3, Application US/10972053
Publication No. US20050255489A1
GENERAL INFORMATION:
APPLICANT: Pierce, James Michael
APPLICANT: Kamari, Maria
APPLICANT: Lee, Jin-Kyu
APPLICANT: Kaneko, Mika
TITLE OF INVENTION: N-Acetylglucosaminyltransferase Vb Coding Sequences, Recombinant
FILE REFERENCE: 49-02A
CURRENT APPLICATION NUMBER: US/10/972,053
```

```
CURRENT FILING DATE: 2004-10-22
PRIOR APPLICATION NUMBER: PCT/US03/091402
PRIOR FILING DATE: 2003-04-23
PRIOR APPLICATION NUMBER: US 60/375,172
PRIOR FILING DATE: 2002-04-23
NUMBER OF SEQ ID NOS: 12
SOFTWARE: PatentIn version 3.3
SEQ ID NO 3
LENGTH: 3370
TYPE: DNA
ORGANISM: Mus musculus
FEATURE:
NAME/KEY: CDS
LOCATION: (369)..(2744)
US-10-972-053-3
```

```
Query Match          33.8%; Score 26; DB 6; Length 3370;
Best Local Similarity 62.1%; Pred. No. 32;
Matches 41; Conservative 0; Mismatches 25; Indels 0; Gaps 0;
```

```
QY      12  CGACGACGATGCGACGCGTGGCGATGAGTGCGGGGACACCGCTTGGCGGAGAGTG 71
Db      286  CGAAGCGCTGCGGGCCGAAGCCGGGGGTCGACGACCGAGGAGAGCGGGGACGCTG 227
```

```
QY      72  GCGCTG 77
Db      226  GCTCTG 221
```

```
RESULT 12
US-10-802-796-567
Sequence 567, Application US/10802796
Publication No. US20050250104A1
GENERAL INFORMATION:
APPLICANT: COLE, STEWART
APPLICANT: BUCHRIESSER-BROSCH, ROLAND
APPLICANT: GORDON, STEPHEN
APPLICANT: BILLAULT, ALAIN
TITLE OF INVENTION: A METHOD FOR ISOLATING A POLYNUCLEOTIDE OF INTEREST
TITLE OF INVENTION: FROM THE GENOME OF A MYCOBACTERIUM USING A BAC-BASED
TITLE OF INVENTION: DNA LIBRARY, APPLICATION TO THE DETECTION OF
FILE REFERENCE: 05394.0011-00000
CURRENT APPLICATION NUMBER: US/10/802,796
CURRENT FILING DATE: 2004-03-18
PRIOR APPLICATION NUMBER: US/09/673,476
PRIOR FILING DATE: 2002-03-29
PRIOR APPLICATION NUMBER: PCT/IB99/00740
PRIOR FILING DATE: 1999-04-16
PRIOR APPLICATION NUMBER: 09/060,756
PRIOR FILING DATE: 1998-04-16
NUMBER OF SEQ ID NOS: 743
SOFTWARE: PatentIn Ver. 2.2
SEQ ID NO 567
LENGTH: 374
TYPE: DNA
ORGANISM: Mycobacterium tuberculosis
FEATURE:
NAME/KEY: modified_base
LOCATION: (123)
OTHER INFORMATION: a, t, c or g
FEATURE:
NAME/KEY: modified_base
LOCATION: (15)
OTHER INFORMATION: a, t, c or g
FEATURE:
NAME/KEY: modified_base
LOCATION: (20)
OTHER INFORMATION: a, t, c or g
FEATURE:
NAME/KEY: modified_base
LOCATION: (223)
OTHER INFORMATION: a, t, c or g
```

FEATURE:
NAME/KEY: modified_base
LOCATION: (93)
OTHER INFORMATION: a, t, c or g
FEATURE:
NAME/KEY: modified_base
LOCATION: (205)
OTHER INFORMATION: a, t, c or g
FEATURE:
NAME/KEY: modified_base
LOCATION: (262)
OTHER INFORMATION: a, t, c or g
FEATURE:
NAME/KEY: modified_base
LOCATION: (268)
OTHER INFORMATION: a, t, c or g
FEATURE:
NAME/KEY: modified_base
LOCATION: (275)
OTHER INFORMATION: a, t, c or g
FEATURE:
NAME/KEY: modified_base
LOCATION: (327)
OTHER INFORMATION: a, t, c or g
US-10-802-796-567

Query Match 33.0%; Score 25.4; DB 6; Length 374;
Best Local Similarity 76.3%; Pred. No. 52;
Matches 29; Conservative 0; Mismatches 9; Indels 0; Gaps 0;

QY 8 GCGCCGACGACGATGACGATGAGTGAGG 45
DB 251 GCGCCGACGACGATGACGATGAGTGAGG 288

RESULT 13
US-11-136-527-3025/c
Sequence 3025, Application US/11136527
Publication No. US20050287570A1
GENERAL INFORMATION:
APPLICANT: Wyeth
TITLE OF INVENTION: Mounts, William M
FILE REFERENCE: 031896-041000 (AM101086)
CURRENT APPLICATION NUMBER: US/11/136,527
CURRENT FILING DATE: 2005-05-25
PRIOR APPLICATION NUMBER: US 60/574,294
PRIOR FILING DATE: 2005-05-26
NUMBER OF SEQ ID NOS: 362830
SOFTWARE: Patent version 3.2
SEQ ID NO 3025
LENGTH: 3334
TYPE: DNA
ORGANISM: Rattus norvegicus
FEATURE:
NAME/KEY: misc feature
LOCATION: (690)..(690)
OTHER INFORMATION: n is a, c, g, or t
US-11-136-527-3025

Query Match 32.7%; Score 25.2; DB 7; Length 3334;
Best Local Similarity 62.9%; Pred. No. 55;
Matches 39; Conservative 0; Mismatches 23; Indels 0; Gaps 0;

QY 8 GCGCCGACGACGATGACGATGAGTGAGG 67
DB 1089 GCGCCGACGACGATGACGATGAGTGAGG 1030

QY 68 AG 69
DB 1029 AG 1028

RESULT 14
US-10-995-561-9472
Sequence 9472, Application US/10995561
Publication No. US20050272054A1
GENERAL INFORMATION:
APPLICANT: CARGILL, Michele et al.
TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
TITLE OF INVENTION: DETECTION AND USES THEREOF
FILE REFERENCE: CL001559
CURRENT APPLICATION NUMBER: US/10/995,561
CURRENT FILING DATE: 2004-11-24
NUMBER OF SEQ ID NOS: 85702
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 9472
LENGTH: 201
TYPE: DNA
ORGANISM: Homo sapiens
US-10-995-561-9472

Query Match 32.5%; Score 25; DB 6; Length 201;
Best Local Similarity 64.9%; Pred. No. 69;
Matches 37; Conservative 0; Mismatches 20; Indels 0; Gaps 0;

QY 15 CGACGATGACGACGATGACGATGAGTGAGG 71
DB 25 CCAGAGGCTGCTGTGTCCATGAGCCGGGGG 81

RESULT 15
US-10-995-561-9482
Sequence 9482, Application US/10995561
Publication No. US20050272054A1
GENERAL INFORMATION:
APPLICANT: CARGILL, Michele et al.
TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
TITLE OF INVENTION: DETECTION AND USES THEREOF
FILE REFERENCE: CL001559
CURRENT APPLICATION NUMBER: US/10/995,561
CURRENT FILING DATE: 2004-11-24
NUMBER OF SEQ ID NOS: 85702
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 9482
LENGTH: 201
TYPE: DNA
ORGANISM: Homo sapiens
US-10-995-561-9482

Query Match 32.5%; Score 25; DB 6; Length 201;
Best Local Similarity 64.9%; Pred. No. 69;
Matches 37; Conservative 0; Mismatches 20; Indels 0; Gaps 0;

QY 15 CGACGATGACGACGATGACGATGAGTGAGG 71
DB 25 CCAGAGGCTGCTGTGTCCATGAGCCGGGGG 81

Search completed: January 11, 2006, 21:28:52
Job time: 329.992 secs

SECRET


```
RESULT 2
US-09-103-840A-1
; Sequence 1, Application US/09103840A
; Patent No. 6294328
; GENERAL INFORMATION:
; APPLICANT: FLEISCHMAN, Robert D.
; APPLICANT: WHITE, Owen R.
; APPLICANT: FRASER, Claire M.
; APPLICANT: VENTER, John C.
; TITLE OF INVENTION: DNA SEQUENCES FOR STRAIN ANALYSIS IN MYCOBACTERIUM
; FILE REFERENCE: 24366-20007.00
; CURRENT APPLICATION NUMBER: US/09/103,840A
; CURRENT FILING DATE: 1998-06-24
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 4411529
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
; OTHER INFORMATION: H37Rv
US-09-103-840A-1

Query Match          94.6%; Score 195.8; DB 3; Length 4411529;
Best Local Similarity 99.0%; Pred. No. 2.5e-42;
Matches 197; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy      1 ATGACCTGCGCCGACGACGATGACGAGCGTAGCGATGAGGTGGGGGACCACTCCGCTTGC 60
Db      580576 ATGACCTGCGCCGACGACGATGACGAGCGTAGCGATGAGGTGGGGGACCACTCCGCTTGC 580635

Qy      61 GGGGAGAGTGGCGCTGTATGATGCTGCGCCGACGACGATGACGAGCGTAGCGATGAGGTGG 120
Db      580636 GGGGAGAGTGGCGCTGTATGATGCTGCGCCGACGACGATGACGAGCGTAGCGATGAGGTGG 580695

Qy      121 GGGGACACCCGCTTGGCGGGGAGAGTGGCGCTGTATGACCTTGGCCGACGACGATGACGAGA 180
Db      580696 GGGGACACCCGCTTGGCGGGGAGAGTGGCGCTGTATGACCTTGGCCGACGACGATGACGAGA 580755

Qy      181 GCGTAGCGATGAGGAGAG 199
Db      580756 GCGTAGCGATGAGGAGGAG 580774

RESULT 3
US-09-103-840A-2/c
; Sequence 2, Application US/09103840A
; Patent No. 6294328
; GENERAL INFORMATION:
; APPLICANT: FLEISCHMAN, Robert D.
; APPLICANT: WHITE, Owen R.
; APPLICANT: FRASER, Claire M.
; APPLICANT: VENTER, John C.
; TITLE OF INVENTION: DNA SEQUENCES FOR STRAIN ANALYSIS IN MYCOBACTERIUM
; FILE REFERENCE: 24366-20007.00
; CURRENT APPLICATION NUMBER: US/09/103,840A
; CURRENT FILING DATE: 1998-06-24
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 4403765
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
; FEATURE:
; OTHER INFORMATION: CDC 1551
; OTHER INFORMATION: "n" bases at various positions throughout the sequence
; OTHER INFORMATION: represent a, t, c or g
US-09-103-840A-2

Query Match          33.9%; Score 70.2; DB 3; Length 4403765;
Best Local Similarity 90.4%; Pred. No. 2.7e-09;
Matches 75; Conservative 0; Mismatches 8; Indels 0; Gaps 0;
```

```
Qy      1 ATGACCTGCGCCGACGACGATGACGAGCGTAGCGATGAGGTGGGGGACCACTCCGCTTGC 60
Db      2713202 ATGCCCCGCGCCGACGACGATGACGAGCGAAGCGATGAGGTGGGGGACCACTCCGCTTGC 2713143

Qy      61 GGGGAGAGTGGCGCTGTATGAC 83
Db      2713142 GGGGAGAGCGCGCGGTGACC 2713120

RESULT 4
US-09-103-840A-1/c
; Sequence 1, Application US/09103840A
; Patent No. 6294328
; GENERAL INFORMATION:
; APPLICANT: FLEISCHMAN, Robert D.
; APPLICANT: WHITE, Owen R.
; APPLICANT: FRASER, Claire M.
; APPLICANT: VENTER, John C.
; TITLE OF INVENTION: DNA SEQUENCES FOR STRAIN ANALYSIS IN MYCOBACTERIUM
; FILE REFERENCE: 24366-20007.00
; CURRENT APPLICATION NUMBER: US/09/103,840A
; CURRENT FILING DATE: 1998-06-24
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 4411529
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
; OTHER INFORMATION: H37Rv
US-09-103-840A-1

Query Match          33.9%; Score 70.2; DB 3; Length 4411529;
Best Local Similarity 90.4%; Pred. No. 2.7e-09;
Matches 75; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

Qy      1 ATGACCTGCGCCGACGACGATGACGAGCGTAGCGATGAGGTGGGGGACCACTCCGCTTGC 60
Db      2716389 ATGCCCCGCGCCGACGACGATGACGAGCGAAGCGATGAGGTGGGGGACCACTCCGCTTGC 2716330

Qy      61 GGGGAGAGTGGCGCTGTATGACC 83
Db      2716329 GGGGAGAGCGCGCGGTGACC 2716307

RESULT 5
US-08-311-731A-137/c
; Sequence 137, Application US/08311731A
; Patent No. 6583266
; GENERAL INFORMATION:
; APPLICANT: SMITH, DOUGLAS
; APPLICANT: MAO, JEN-I
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES
; TITLE OF INVENTION: RELATING TO MYCOBACTERIUM TUBERCULOSIS AND LAPRAE FOR
; TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
; NUMBER OF SEQUENCES: 411
; CORRESPONDENCE ADDRESSES:
; ADDRESSEE: WOLF, GREENFIELD & SACKS, P.C.
; STREET: 600 ATLANTIC AVENUE
; CITY: BOSTON
; STATE: MASSACHUSETTS
; COUNTRY: USA
; ZIP: 02210
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: IBM PC compatible
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/311,731A
; FILING DATE:
; CLASSIFICATION: 530
```

ATTORNEY/AGENT INFORMATION:
NAME: GATES, EDWARD R.
REGISTRATION NUMBER: 31,616
REFERENCE/DOCKET NUMBER: C0044/7125
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617/720-3500
TELEFAX: 617/720-2441
INFORMATION FOR SEQ ID NO: 137:
SEQUENCE CHARACTERISTICS:
LENGTH: 40123 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: circular
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: Mycobacterium leprae
US-08-311-731A-137

Query Match 29.8%; Score 61.6; DB 3; Length 40123;
Best Local Similarity 79.3%; Pred. No. 3e-07; Mismatches 19; Indels 0; Gaps 0;
Matches 73; Conservative 0; Mismatches 19; Indels 0; Gaps 0;

QY 2 TGACCTGCGCCGACGATGACGAGCGGTAGCGATGAGTGGGGGCACACCGCTTGGCG 61
DB 14289 TGAACCGCGCCGACGACGATGCAAGGAAAGCATGAGTGGGGTACTTCCCGCTTGGCG 14230
QY 62 GGGGAGAGTGGCGCTGATGACCTGCGCCGACG 93
DB 14229 GGGGAGAGCGACGACGTCGTAACCGAGTCTCG 14198

RESULT 6
US-08-311-731A-1
Sequence 1, Application US/08311731A
Patent No. 6583266
GENERAL INFORMATION:
APPLICANT: SMITH, DOUGLAS
APPLICANT: MAO, JEN-I
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES
TITLE OF INVENTION: RELATING TO MYCOBACTERIUM TUBERCULOSIS AND LAPRAE FOR
TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
NUMBER OF SEQUENCES: 411
CORRESPONDENCE ADDRESS:
ADDRESSEE: WOLF, GREENFIELD & SACKS, P.C.
STREET: 600 ATLANTIC AVENUE
CITY: BOSTON
STATE: MASSACHUSETTS
COUNTRY: USA
ZIP: 02210
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/311,731A
FILING DATE:
CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: GATES, EDWARD R.
REGISTRATION NUMBER: 31,616
REFERENCE/DOCKET NUMBER: C0044/7125
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617/720-3500
TELEFAX: 617/720-2441
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 32155 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: circular

MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: MYCOBACTERIUM TUBERCULOSIS
US-08-311-731A-1

Query Match 28.3%; Score 58.6; DB 3; Length 32155;
Best Local Similarity 67.6%; Pred. No. 1.8e-06;
Matches 125; Conservative 0; Mismatches 34; Indels 26; Gaps 2;

QY 28 CGTAGCGATGAGGTGGGGGCACACCGCTTGGCGGGGAGAGTGCGCTGATGACCTTGGCG 87
DB 4990 CGAAGCGATGAGGTGGGGGTACCGCCGCTTGGCGAGAGC--GCGCAGATGACGACCG 5047
QY 88 CCGACGACGATGAGAG-----CGTAGCGATGAGTGGGGG 123
DB 5048 CCGCGACGATGACGAGTGGGGGTACCGCCGCTTGGCGGGGACGACGATGAGTGGGGG 5107
QY 124 CACCACCGCTTGGCGGGGAGAGTGGCGCTGATGACCTTGGCGCCGACGACGATGACGAGCG 183
DB 5108 TACCGCCGCTTGGCGAGGAGAGCGCGCCTTGAACCGATGATGCGGTGTGCGCGG 5167
QY 184 TACCG 188
DB 5168 AGCG 5172

RESULT 7
US-08-311-731A-128/c
Sequence 128, Application US/08311731A
Patent No. 6583266
GENERAL INFORMATION:
APPLICANT: SMITH, DOUGLAS
APPLICANT: MAO, JEN-I
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES
TITLE OF INVENTION: RELATING TO MYCOBACTERIUM TUBERCULOSIS AND LAPRAE FOR
TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
NUMBER OF SEQUENCES: 411
CORRESPONDENCE ADDRESS:
ADDRESSEE: WOLF, GREENFIELD & SACKS, P.C.
STREET: 600 ATLANTIC AVENUE
CITY: BOSTON
STATE: MASSACHUSETTS
COUNTRY: USA
ZIP: 02210
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/311,731A
FILING DATE:
CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: GATES, EDWARD R.
REGISTRATION NUMBER: 31,616
REFERENCE/DOCKET NUMBER: C0044/7125
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617/720-3500
TELEFAX: 617/720-2441
INFORMATION FOR SEQ ID NO: 128:
SEQUENCE CHARACTERISTICS:
LENGTH: 42988 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: circular
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: MYCOBACTERIUM LEPRAE

US-08-311-731A-128

Query Match 27.7%; Score 57.4; DB 3; Length 42988;
 Best Local Similarity 71.0%; Pred. No. 3.9e-06;
 Matches 76; Conservative 0; Mismatches 31; Indels 0; Gaps 0;

QY 65 GAGAGTGGCCCTGATGACCTGCGCCGACGACGATGCGAGAGGTGCGGATGAGTGGGGCC 124
 DB 39497 GTGGAGTGGCGCGCATGACCGGTACCGGACGATGCGAAGGAAAGGACCATGAGCGAGGGGC 39438
 QY 125 ACCACCGCTTGGCGGGGAGAGTGGCGCTGATGACCTGCGCCGACGA 171
 DB 39437 ATCTCTGCTTGGCAGGGAGCGGGCGCCGCAATGACACAGCCTGGGA 39391

RESULT 8

US-08-390-878-16
 ; Sequence 16, Application US/08390878
 ; Patent No. 570683
 ; GENERAL INFORMATION:
 ; APPLICANT: Stover, Charles K.
 ; APPLICANT: Mahairas, Gregory G.
 ; TITLE OF INVENTION: VIRULENCE-ATTENUATING GENETIC DELETIONS
 ; NUMBER OF SEQUENCES: 18
 ; CORRESPONDENCE ADDRESSES:
 ; ADDRESSEE: Townsend and Townsend Kourie and Crew
 ; STREET: One Market Plaza, Stewart Street Tower, 20th
 ; CITY: San Francisco
 ; STATE: California
 ; COUNTRY: USA
 ; ZIP: 94105
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: PatentIn Release #1.0, Version #1.30
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/390,878
 ; FILING DATE: 17-FEB-1995
 ; CLASSIFICATION: 435
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Hunter, Tom
 ; REGISTRATION NUMBER: 38,498
 ; REFERENCE/DOCKET NUMBER: 15371A-17
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: 415/543/9600
 ; TELEFAX: 415/543/5043
 ; INFORMATION FOR SEQ ID NO: 16:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 16885 base pairs
 ; TYPE: nucleic acid
 ; STRANDEDNESS: single
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: DNA (genomic)
 ; US-08-390-878-16

Query Match 24.7%; Score 51.2; DB 2; Length 16885;
 Best Local Similarity 61.3%; Pred. No. 0.00015;
 Matches 114; Conservative 0; Mismatches 48; Indels 24; Gaps 1;

QY 20 ATGCGAGCGGTAGGATGAGTGGGGGACCAACCGCTTGGCGGGGAGAGTGGCGCTGAT 79
 DB 725 AAGCGCGCGCATTCACAGGTTCACCGCGGACCGGTTCTCGAGGAGCGCGACACCGT 784
 QY 80 GACCTGGCGCGACGACGATGACAGCGGTAGGATGAGTGGGGGACCAACCGCTTGGCGG 139
 DB 785 GACCGCGCGCGCGACGATGCAAGCGGACGATGAGAG----- 824
 QY 140 GGGAGAGTGGCGCTGATGACCTGCGCGGACGACGATGCGAGCGGTAGGATGAGAGGAG 199
 DB 825 -----GAGCGGCGCAACGAGCGCGCGCGCGGCAATGCAAGCGAGGATGAGAGGAG 880

QY 200 TGGCGC 205
 DB 881 CGCGGC 886

RESULT 9

US-09-050-739-71
 ; Sequence 71, Application US/09050739
 ; Patent No. 6641814
 ; GENERAL INFORMATION:
 ; APPLICANT: ANDERSEN, Peter
 ; APPLICANT: NIELSEN, Rikke
 ; APPLICANT: OESTINGER, Thomas
 ; APPLICANT: RASMUSSEN, Peter Birk
 ; APPLICANT: ROSENKRANDS, Ida
 ; APPLICANT: WELDINGH, Karin
 ; APPLICANT: FLORIO, Walter
 ; TITLE OF INVENTION: NUCLEIC ACIDS FRAGMENTS AND POLYPEPTIDE FRAGMENTS
 ; FILE REFERENCE: DERIVED FROM M. TUBERCULOSIS
 ; FILE REFERENCE: 670001-2002.1
 ; CURRENT APPLICATION NUMBER: US/09/050,739
 ; CURRENT FILING DATE: 1998-03-30
 ; EARLIER APPLICATION NUMBER: 0376/97
 ; EARLIER FILING DATE: 1997-04-02
 ; EARLIER APPLICATION NUMBER: 1277/97
 ; EARLIER FILING DATE: 1997-11-10
 ; EARLIER APPLICATION NUMBER: 60/044,624
 ; EARLIER FILING DATE: 1997-04-18
 ; EARLIER APPLICATION NUMBER: 60/070,488
 ; EARLIER FILING DATE: 1998-01-05
 ; NUMBER OF SEQ ID NOS: 173
 ; SOFTWARE: PatentIn Ver. 2.0
 ; SEQ ID NO 71
 ; LENGTH: 1890
 ; TYPE: DNA
 ; ORGANISM: Mycobacterium tuberculosis
 ; US-09-050-739-71

Query Match 22.8%; Score 47.2; DB 3; Length 1890;
 Best Local Similarity 80.9%; Pred. No. 0.0013;
 Matches 55; Conservative 0; Mismatches 13; Indels 0; Gaps 0;

QY 138 GGGGAGAGTGGCGGCTGATGACCTGCGCGGACGACGATGCAAGCGGTAGGATGAGAGG 197
 DB 9 GAGGAGAGCGCGGCGCAACGCGCGCGCGCGGCGGACGATGCAAGCGGAGGATGAGAGG 68
 QY 198 AGTGGCGC 205
 DB 69 AGCGCGC 76

RESULT 10

US-09-949-016-16424/C
 ; Sequence 16424, Application US/09949016
 ; Patent No. 6812339
 ; GENERAL INFORMATION:
 ; APPLICANT: VENTER, J. Craig et al.
 ; TITLE OF INVENTION: POLYBORIHISMS IN KNOWN GENES ASSOCIATED
 ; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
 ; FILE REFERENCE: C1001307
 ; CURRENT APPLICATION NUMBER: US/09/949,016
 ; CURRENT FILING DATE: 2000-04-14
 ; PRIOR APPLICATION NUMBER: 60/241,755
 ; PRIOR FILING DATE: 2000-10-20
 ; PRIOR APPLICATION NUMBER: 60/237,768
 ; PRIOR FILING DATE: 2000-10-03
 ; PRIOR APPLICATION NUMBER: 60/231,498
 ; PRIOR FILING DATE: 2000-09-08
 ; NUMBER OF SEQ ID NOS: 207012
 ; SOFTWARE: FastSeq for Windows Version 4.0
 ; SEQ ID NO 16424
 ; LENGTH: 112465
 ; TYPE: DNA

TELECOMMUNICATION INFORMATION:
TELEPHONE: 617/720-3500
TELEFAX: 617/720-2441
INFORMATION FOR SEQ ID NO: 24:
SEQUENCE CHARACTERISTICS:
LENGTH: 38494 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: circular
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: MYCOBACTERIUM LEPRAE
US-08-311-731A-24

Query Match 18.7%; Score 38.8; DB 3; Length 38494;
Best Local Similarity 86.0%; Pred. No. 0.3;
Matches 43; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

Qy 156 TGACCTGCGCCGACGATGAGCGCTGATGAGAGAGTGGCGC 205
Db 6918 TGATCCGCGCGCTGATGAGCGCTGATGAGAGAGTGGCGC 6869

RESULT 14
US-08-311-731A-123/c
Sequence 123, Application US/08311731A
Patent No. 6583266
GENERAL INFORMATION:
APPLICANT: SMITH, DOUGLAS
APPLICANT: MAO, JEN-I
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES
TITLE OF INVENTION: RELATING TO MYCOBACTERIUM TUBERCULOSIS AND LAPRAE FOR
TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
NUMBER OF SEQUENCES: 411
CORRESPONDENCE ADDRESS:
ADDRESSEE: WOLF, GREENFIELD & SACKS, P.C.
STREET: 600 ATLANTIC AVENUE
CITY: BOSTON
STATE: MASSACHUSETTS
COUNTRY: USA
ZIP: 02210
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent'n Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/311, 731A
FILING DATE:
CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: GATES, EDWARD R.
REGISTRATION NUMBER: 31,616
REFERENCE/DOCKET NUMBER: C0044/7125
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617/720-3500
TELEFAX: 617/720-2441
INFORMATION FOR SEQ ID NO: 123:
SEQUENCE CHARACTERISTICS:
LENGTH: 36470 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: circular
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: MYCOBACTERIUM LEPRAE
US-08-311-731A-123

Query Match 18.6%; Score 38.4; DB 3; Length 36470;

Best Local Similarity 70.7%; Pred. No. 0.38;
Matches 65; Conservative 0; Mismatches 26; Indels 1; Gaps 1;

Qy 1 ATGACCTGCGCCGACGATGAGAGCGTGAAGATGAGTGGGGGACACCGCTTGC 60
Db 8938 ATGACCCCAACCGGACCTGTATTAAGAGGTGATGAGTGGGGGACACATCGCTTGC 8879

Qy 61 GGGGAGAGT-GGCGCTGATGACCTGCGCGGA 91
Db 8878 GGGGAGAGATCGGCGCTCATGACCTGCGCGGA 8847

RESULT 15
US-09-949-016-21806/c
Sequence 21806, Application US/09949016
Patent No. 6812339
GENERAL INFORMATION:
APPLICANT: VENTER, J. Craig et al.
TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
FILE REFERENCE: C1001307
CURRENT APPLICATION NUMBER: US/09/949,016
CURRENT FILING DATE: 2000-04-14
PRIOR APPLICATION NUMBER: 60/241,755
PRIOR FILING DATE: 2000-10-20
PRIOR APPLICATION NUMBER: 60/237,768
PRIOR FILING DATE: 2000-10-03
PRIOR APPLICATION NUMBER: 60/231,498
PRIOR FILING DATE: 2000-09-08
NUMBER OF SEQ ID NOS: 207012
SOFTWARE: FASTSEQ for Windows Version 4.0
SEQ ID NO 21806
LENGTH: 601
TYPE: DNA
ORGANISM: Human
US-09-949-016-21806

Query Match 18.4%; Score 38; DB 3; Length 601;
Best Local Similarity 49.0%; Pred. No. 0.31;
Matches 98; Conservative 1; Mismatches 101; Indels 0; Gaps 0;

Qy 4 ACCTGGCCCGACGATGAGAGCGTGAAGTGGGGGACACCGCTTGGGG 63
Db 467 AGCCAGACCCCGCTGGGAAGTGAAGTGTCTTCCCGCCGACACCCCGCTTGGGA 408

Qy 64 GGAAGTGGCGCTGATGACCTGCGCGACGACGATGAGAGCGTGAAGTGGGG 123
Db 407 GGTAGAGAGCTCTCTGACGGGCGGCCCATCTGAAGAAGTGAAGAGCCCTCCCGCGGC 348

Qy 124 CACCAACCGCTTGGCGGGGAGAGTGGCGCTGATGACCTGCGCGACGACGATGAGAGCG 183
Db 347 AGCCACCCCGTTCGGAGAGTGGGGGCGCTTGGCCCGCGCCCACTGGGAAGTGAAG 288

Qy 184 TAGGATGAGAGAGATGGC 203
Db 287 GAGCCCTTGGCTGTGGC 268

Search completed: January 12, 2006, 03:32:13
Job time : 197 secs

RESULT 2
US-10-080-170-648
; Sequence 648, Application US/10080170

```
; Publication No. US20040121322A9
; GENERAL INFORMATION:
; APPLICANT: COLE, S.T.
; TITLE OF INVENTION: COMPARATIVE MYCOBACTERIAL GENOMICS AS A TOOL FOR
; TITLE OF INVENTION: IDENTIFYING TARGETS FOR THE DIAGNOSIS, PROPHYLAXIS OR
; TITLE OF INVENTION: TREATMENT OF MYCOBACTERIOSES
; FILE REFERENCE: 03495.0218
; CURRENT APPLICATION NUMBER: US/10/080,170
; CURRENT FILING DATE: 2002-06-10
; PRIOR APPLICATION NUMBER: 60/270,123
; PRIOR FILING DATE: 2001-02-22
; NUMBER OF SEQ ID NOS: 652
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 648
; LENGTH: 86114
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
US-10-080-170-648
```

```
Query Match 94.6%; Score 195.8; DB 7; Length 86114;
Best Local Similarity 99.0%; Pred. No. 1.9e-48;
Matches 197; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
```

```
QY 1 ATGACCTGCGCCGACGACGATGACGCGTACGATGAGTGGGGGACCAACCCGCTTGC 60
DB 67175 ATGACCTGCGCCGACGACGATGACGCGTACGATGAGTGGGGGACCAACCCGCTTGC 67234
QY 61 GGGGGAGAGTGGCGCTGATGACCTGCGCCGACGACGATGACGCGTACGATGAGTGG 120
DB 67235 GGGGGAGAGTGGCGCTGATGACCTGCGCCGACGACGATGACGCGTACGATGAGTGG 67294
QY 121 GGGGACCAACCCGCTTGGCGGGGAGAGTGGCGCTGATGACCTGCGCCGACGACGATGAGA 180
DB 67295 GGGGACCAACCCGCTTGGCGGGGAGAGTGGCGCTGATGACCTGCGCCGACGACGATGAGA 67354
QY 181 GCGTAGCGATGAGGAGAG 199
DB 67355 GCGTAGCGATGAGGAGAG 67373
```

```
RESULT 3
US-10-468-356-648
; Sequence 648, Application US/10468356
; Publication No. US20040197896A1
; GENERAL INFORMATION:
; APPLICANT: COLE, STEWART
; TITLE OF INVENTION: COMPARATIVE MYCOBACTERIAL GENOMICS AS A TOOL FOR
; TITLE OF INVENTION: IDENTIFYING TARGETS FOR THE DIAGNOSIS, PROPHYLAXIS OR
; TITLE OF INVENTION: TREATMENT OF MYCOBACTERIOSES
; FILE REFERENCE: 05394.0019
; CURRENT APPLICATION NUMBER: US/10/468,356
; CURRENT FILING DATE: 2003-08-19
; PRIOR APPLICATION NUMBER: 10/080,170
; PRIOR FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/270,123
; PRIOR FILING DATE: 2001-02-22
; NUMBER OF SEQ ID NOS: 655
; SOFTWARE: PatentIn Ver. 3.2
; SEQ ID NO 648
; LENGTH: 86114
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
US-10-468-356-648
```

```
Query Match 94.6%; Score 195.8; DB 8; Length 86114;
Best Local Similarity 99.0%; Pred. No. 1.9e-48;
Matches 197; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
```

```
QY 1 ATGACCTGCGCCGACGACGATGACGCGTACGATGAGTGGGGGACCAACCCGCTTGC 60
DB 67175 ATGACCTGCGCCGACGACGATGACGCGTACGATGAGTGGGGGACCAACCCGCTTGC 67234
QY 61 GGGGAGAGTGGCGCTGATGACCTGCGCCGACGACGATGACGCGTACGATGAGTGG 120
```

```
DB 67235 GGGGGAGAGTGGCGCTGATGACCTGCGCCGACGACGATGACGCGTACGATGAGTGG 67294
QY 121 GGGGACCAACCCGCTTGGCGGGGAGAGTGGCGCTGATGACCTGCGCCGACGACGATGAGA 180
DB 67295 GGGGACCAACCCGCTTGGCGGGGAGAGTGGCGCTGATGACCTGCGCCGACGACGATGAGA 67354
QY 181 GCGTAGCGATGAGGAGAG 199
DB 67355 GCGTAGCGATGAGGAGAG 67373
```

```
RESULT 4
US-10-086-206-1
; Sequence 1, Application US/10086206
; Publication No. US20030124546A1
; GENERAL INFORMATION:
; APPLICANT: Magdalena, J
; APPLICANT: Supply, P
; APPLICANT: Lochte, C
; TITLE OF INVENTION: M. TUBERCULOSIS COMPLEX MEMBERS MYCOBACTERIA SPECIFIC
; TITLE OF INVENTION: NUCLEIC ACID FRAGMENTS AND THEIR APPLICATIONS FOR THE
; TITLE OF INVENTION: DETECTION AND DIFFERENTIAL DIAGNOSIS OF M. TUBERCULOSIS
; TITLE OF INVENTION: COMPLEX MEMBERS
; FILE REFERENCE: 408.014
; CURRENT APPLICATION NUMBER: US/10/086,206
; CURRENT FILING DATE: 2002-02-28
; PRIOR APPLICATION NUMBER: PCT/FR97/01483
; PRIOR FILING DATE: 1997-08-12
; PRIOR APPLICATION NUMBER: FR 96/10277
; PRIOR FILING DATE: 1996-08-19
; NUMBER OF SEQ ID NOS: 11
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 77
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
US-10-086-206-1
```

```
Query Match 37.2%; Score 77; DB 6; Length 77;
Best Local Similarity 100.0%; Pred. No. 3.2e-13;
Matches 77; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 1 ATGACCTGCGCCGACGACGATGACGCGTACGATGAGTGGGGGACCAACCCGCTTGC 60
DB 1 ATGACCTGCGCCGACGACGATGACGCGTACGATGAGTGGGGGACCAACCCGCTTGC 60
QY 61 GGGGAGAGTGGCGCTG 77
DB 61 GGGGAGAGTGGCGCTG 77
```

```
RESULT 5
US-10-282-122A-28344
; Sequence 28344, Application US/10282122A
; Publication No. US20040029129A1
; GENERAL INFORMATION:
; APPLICANT: Wang, Liangsu
; APPLICANT: Zamudio, Carlos
; APPLICANT: Malone, Cheryl
; APPLICANT: Haselbeck, Robert
; APPLICANT: Ohlsen, Kari
; APPLICANT: Zykkind, Judith
; APPLICANT: Wall, Daniel
; APPLICANT: Trawick, John
; APPLICANT: Carr, Grant
; APPLICANT: Yamamoto, Robert
; APPLICANT: Forsyth, R.
; APPLICANT: Xu, H.
; TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
; FILE REFERENCE: EITRA 034A
; CURRENT APPLICATION NUMBER: US/10/282,122A
; CURRENT FILING DATE: 2003-02-20
```



```
; PRIOR APPLICATION NUMBER: 60/191,078
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/206,848
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/207,727
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/220,335
; PRIOR FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: 60/230,347
; PRIOR FILING DATE: 2000-09-09
; PRIOR APPLICATION NUMBER: 60/242,578
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/253,625
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/257,931
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/267,636
; PRIOR FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/269,308
; PRIOR FILING DATE: 2001-02-16
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 78614
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 28344
; LENGTH: 978
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
US-10-282-122A-28344
```

```
Query Match          32.1%; Score 66.4; DB 7; Length 978;
Best Local Similarity 86.9%; Pred. No. 3.2e-10;
Matches 73; Conservative 0; Mismatches 11; Indels 0; Gaps 0;
```

```
QY 32 GCGATGAGTGGGGGACCAACCCGCTTGGCGGGAGAGTGGCGCTGATGACTTGGCGCGCA 91
    |||||||
DB 895 GCGATGAGTGGGGGACCACTCCGCTTGGCAGGGAGAACGGCGCATTTGACCCGCGCAG 954
    |||||||
QY 92 CGACGATGCAGACCTGACGATGA 115
    |||||||
DB 955 CGACGATGCAGACCGAAGCGATGA 978
    |||||||
```

```
RESULT 6
US-10-282-122A-26639
; Sequence 26639, Application US/10282122A
; Publication No. US2004029129A1
; GENERAL INFORMATION:
; APPLICANT: Wang, Liangsu
; APPLICANT: Zamudio, Carlos
; APPLICANT: Malone, Cheryl
; APPLICANT: Haselbeck, Robert
; APPLICANT: Ohlsen, Karl
; APPLICANT: Zyskind, Judith
; APPLICANT: Wall, Daniel
; APPLICANT: Trawick, John
; APPLICANT: Carr, Grant
; APPLICANT: Yamamoto, Robert
; APPLICANT: Forsyth, R.
; APPLICANT: Xu, H.
; TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
; FILE REFERENCE: EITPA.034A
; CURRENT APPLICATION NUMBER: US/10/282,122A
; CURRENT FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: 60/191,078
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/206,848
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/207,727
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/230,335
; PRIOR FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: 60/230,347
; PRIOR FILING DATE: 2000-09-09
```

```
; PRIOR APPLICATION NUMBER: 60/242,578
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/253,625
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/257,931
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/267,636
; PRIOR FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/269,308
; PRIOR FILING DATE: 2001-02-16
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 78614
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 26639
; LENGTH: 975
; TYPE: DNA
; ORGANISM: Mycobacterium bovis
US-10-282-122A-26639
```

```
Query Match          30.6%; Score 63.4; DB 7; Length 975;
Best Local Similarity 86.4%; Pred. No. 2.5e-09;
Matches 70; Conservative 0; Mismatches 11; Indels 0; Gaps 0;
```

```
QY 32 GCGATGAGTGGGGGACCAACCCGCTTGGCGGGAGAGTGGCGCTGATGACTTGGCGCGCA 91
    |||||||
DB 895 GCGATGAGTGGGGGACCACTCCGCTTGGCAGGGAGAACGGCGCATTTGACCCGCGCAG 954
    |||||||
QY 92 CGACGATGCAGACCTGACGATGA 112
    |||||||
DB 955 CGACGATGCAGACCGAAGCGGA 975
    |||||||
```

```
RESULT 7
US-10-481-265-96
; Sequence 96, Application US/10481265
; Publication No. US20040254349A1
; GENERAL INFORMATION:
; APPLICANT: James, Brian William
; APPLICANT: Bacon, Joanna
; APPLICANT: Marsh, Philip
; TITLE OF INVENTION: Mycobacterial Antigens Expressed Under Low Oxygen Tension
; FILE REFERENCE: 1581.1020000
; CURRENT APPLICATION NUMBER: US/10/481,265
; CURRENT FILING DATE: 2003-12-19
; PRIOR APPLICATION NUMBER: GB 0115365.9
; PRIOR FILING DATE: 2001-06-22
; PRIOR APPLICATION NUMBER: GB 0121780.1
; PRIOR FILING DATE: 2001-09-07
; PRIOR APPLICATION NUMBER: PCT/GB02/02845
; PRIOR FILING DATE: 2002-06-21
; NUMBER OF SEQ ID NOS: 138
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 96
; LENGTH: 975
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
US-10-481-265-96
```

```
Query Match          30.6%; Score 63.4; DB 8; Length 975;
Best Local Similarity 86.4%; Pred. No. 2.5e-09;
Matches 70; Conservative 0; Mismatches 11; Indels 0; Gaps 0;
```

```
QY 32 GCGATGAGTGGGGGACCAACCCGCTTGGCGGGAGAGTGGCGCTGATGACTTGGCGCGCA 91
    |||||||
DB 895 GCGATGAGTGGGGGACCACTCCGCTTGGCAGGGAGAACGGCGCATTTGACCCGCGCAG 954
    |||||||
QY 92 CGACGATGCAGACCTGACGATGA 112
    |||||||
DB 955 CGACGATGCAGACCGAAGCGGA 975
    |||||||
```

```
RESULT 8
US-10-086-206-2
```

```
; Sequence 2, Application US/10086206
; Publication No. US20030124546A1
; GENERAL INFORMATION:
; APPLICANT: Magdalena, J
; APPLICANT: Supply, P
; APPLICANT: Loch, C
; TITLE OF INVENTION: M. TUBERCULOSIS COMPLEX MEMBERS MYCOBACTERIA SPECIFIC
; TITLE OF INVENTION: NUCLEIC ACID FRAGMENTS AND THEIR APPLICATIONS FOR THE
; TITLE OF INVENTION: DETECTION AND DIFFERENTIAL DIAGNOSIS OF M. TUBERCULOSIS
; FILE REFERENCE: 408.014
; CURRENT APPLICATION NUMBER: US/10/086,206
; CURRENT FILING DATE: 2002-02-28
; PRIOR APPLICATION NUMBER: PCT/FR97/01483
; PRIOR FILING DATE: 1997-08-12
; PRIOR APPLICATION NUMBER: FR 96/10277
; PRIOR FILING DATE: 1996-08-19
; NUMBER OF SEQ ID NOS: 11
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 2
; LENGTH: 53
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
US-10-086-206-2
```

```
Query Match      25.6%; Score 53; DB 6; Length 53;
Best Local Similarity 100.0%; Pred. No. 3.7e-06;
Matches 53; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy      155 ATGACCTGGCCGCGACGATGACGATGAGCGATGAGGAGGAGTGGCGCTG 207
Db      1 ATGACCTGGCCGCGACGATGACGATGAGCGATGAGGAGGAGTGGCGCTG 53
```

RESULT 9

```
US-10-510-021-2
; Sequence 2, Application US/10510021
; Publication No. US20050220811A1
; GENERAL INFORMATION:
; APPLICANT: Cole, Stewart
; APPLICANT: Pym, Alexander S
; APPLICANT: Broesch, Roland
; APPLICANT: Brodin, Priscille
; APPLICANT: Majlessi, Laleh
; APPLICANT: Demangel, Caroline
; APPLICANT: Lacleerc, Claude
; TITLE OF INVENTION: Identification of virulence associated regions RD1 and
; TITLE OF INVENTION: RD5 leading to improve vaccine of M. bovis BCG and M.
; TITLE OF INVENTION: microti
; FILE REFERENCE: D20217
; CURRENT APPLICATION NUMBER: US/10/510,021
; CURRENT FILING DATE: 2004-10-01
; PRIOR APPLICATION NUMBER: PCT/IB03/01789
; PRIOR FILING DATE: 2003-04-01
; PRIOR APPLICATION NUMBER: EP 02/290864
; NUMBER OF SEQ ID NOS: 75
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 2
; LENGTH: 13773
; TYPE: DNA
; ORGANISM: mycobacterium tuberculosis
; FEATURE:
; OTHER INFORMATION: Complete DNA sequence of RD1 RV3867-3877
US-10-510-021-2
```

```
Query Match      24.7%; Score 51.2; DB 9; Length 13773;
Best Local Similarity 61.3%; Pred. No. 7.4e-06;
Matches 114; Conservative 0; Mismatches 48; Indels 24; Gaps 1;
```

```
Qy      20 ATGAGAGCGCTGATGATGAGTGGGGGACACACCGCTTGGCGGGGAGATGTCGCTGAT 79
Db      5894 AAGCGCGCGATTTCACAGTTTACCGCGGACCGGTTCTCGAGGAGGCGCGACACCGT 5953
```

```
Qy      80 GACCTGGCCGCGACGATGACGATGAGTGGGGGACACCCCGCTTGGCG 139
Db      5954 GACCCGCGCGCGGACGATGACCAAGCGCGATGAGGAG----- 5993
Qy      140 GGGAGTGGCGTGAATGACTGGCGCGACGAGAGTGCAGAGGCGATGAGAGGAG 199
Db      5994 ----GACCGGCGCAACGCGCCGCGCGCGAGATGACCAAGCGCGATGAGAGGAG 6049
Qy      200 TGGCGC 205
Db      6050 CGGCGC 6055
```

RESULT 10

```
US-10-510-021-1
; Sequence 1, Application US/10510021
; Publication No. US20050220811A1
; GENERAL INFORMATION:
; APPLICANT: Cole, Stewart
; APPLICANT: Pym, Alexander S
; APPLICANT: Broesch, Roland
; APPLICANT: Brodin, Priscille
; APPLICANT: Majlessi, Laleh
; APPLICANT: Demangel, Caroline
; APPLICANT: Lacleerc, Claude
; TITLE OF INVENTION: Identification of virulence associated regions RD1 and
; TITLE OF INVENTION: RD5 leading to improve vaccine of M. bovis BCG and M.
; TITLE OF INVENTION: microti
; FILE REFERENCE: D20217
; CURRENT APPLICATION NUMBER: US/10/510,021
; CURRENT FILING DATE: 2004-10-01
; PRIOR APPLICATION NUMBER: PCT/IB03/01789
; PRIOR FILING DATE: 2003-04-01
; PRIOR APPLICATION NUMBER: EP 02/290864
; NUMBER OF SEQ ID NOS: 75
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 1
; LENGTH: 31808
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
; FEATURE:
; OTHER INFORMATION: Insert of cosmid RD1-2F9 corresponding to sequence
; OTHER INFORMATION: in the genome of mycobacterium tuberculosis H37Rv
US-10-510-021-1
```

```
Query Match      24.7%; Score 51.2; DB 9; Length 31808;
Best Local Similarity 61.3%; Pred. No. 6.8e-06;
Matches 114; Conservative 0; Mismatches 48; Indels 24; Gaps 1;
```

```
Qy      20 ATGAGAGCGTGAATGATGAGTGGGGGACACCCGCTTGGCGGGGAGATGCGCTGAT 79
Db      11855 AAGCGCGCGGATTCACAGTTTACCGCGGACCGGTTCTCGAGGAGCGCGACACCGT 11914
Qy      80 GACCTGGCCGCGACGATGACGATGAGTGGGGGACACCCCGCTTGGCGG 139
Db      11915 GACCCGCGCGCGGACGATGACCAAGCGCGATGAGGAG----- 11954
Qy      140 GGGAGTGGCGTGAATGACTGGCGCGACGAGAGTGCAGAGGCGATGAGAGGAG 199
Db      11955 ----GACCGGCGCAACGCGCCGCGCGCGAGATGACCAAGCGCGATGAGAGGAG 12010
Qy      200 TGGCGC 205
Db      12011 CGGCGC 12016
```

RESULT 11

```
US-09-791-171-71
; Sequence 71, Application US/09791171
; Patent No. US20020094336A1
; GENERAL INFORMATION:
```

```

; APPLICANT: ANDERSEN, Peter
; APPLICANT: NIELSEN, Rikke
; APPLICANT: OETTINGER, Thomas
; APPLICANT: RASMUSSEN, Peter Birk
; APPLICANT: ROSENKRANDS, Ida
; APPLICANT: WELDEINGH, Karin
; APPLICANT: FLORIO, Walter
; TITLE OF INVENTION: NUCLEIC ACIDS FRAGMENTS AND POLYPEPTIDE FRAGMENTS
; TITLE OF INVENTION: DERIVED FROM M. TUBERCULOSIS
; FILE REFERENCE: 670001-2002.1
; CURRENT APPLICATION NUMBER: US/09/791,171
; CURRENT FILING DATE: 2001-02-20
; PRIOR APPLICATION NUMBER: 09/050,739
; PRIOR FILING DATE: 1998-03-30
; PRIOR APPLICATION NUMBER: 0376/97
; PRIOR FILING DATE: 1997-04-02
; PRIOR APPLICATION NUMBER: 1277/97
; PRIOR FILING DATE: 1997-11-10
; PRIOR APPLICATION NUMBER: 60/044,624
; PRIOR FILING DATE: 1997-04-18
; PRIOR APPLICATION NUMBER: 60/070,488
; PRIOR FILING DATE: 1998-01-05
; NUMBER OF SEQ ID NOS: 173
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 71
; LENGTH: 1890
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
US-09-791-171-71

```

Query Match 22.8%; Score 47.2; DB 3; Length 1890;

Best Local Similarity 80.9%; Pred. No. 0.00013; Matches 55; Conservative 0; Mismatches 13; Indels 0; Gaps 0;

```

Qy 138 GGGGAGAGTGGCGCTGATGACCTGCGCGACGACGATGAGAGCGTAGCGATGAGGAGG 197
      |||||
Db 9 GAGGAGAGGCGGCGCCCAACGCGCGCGCGCGACGATGCAAGCGAGCGATGAGGAGG 68

```

```

Qy 198 AGTGGCGC 205
      |||||
Db 69 AGCGGCGC 76

```

```

RESULT 12
US-09-804-980-71
; Sequence 71, Application US/09804980
; Publication No. US20030147897A1
; GENERAL INFORMATION:
; APPLICANT: Statens Serum Institut
; APPLICANT: Anderson, Peter
; TITLE OF INVENTION: M. tuberculosis Antigens
; FILE REFERENCE: 670001-2002.4
; CURRENT APPLICATION NUMBER: US/09/804,980
; CURRENT FILING DATE: 2001-03-12
; NUMBER OF SEQ ID NOS: 257
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 71
; LENGTH: 1890
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
US-09-804-980-71

```

Query Match 22.8%; Score 47.2; DB 3; Length 1890;

Best Local Similarity 80.9%; Pred. No. 0.00013; Matches 55; Conservative 0; Mismatches 13; Indels 0; Gaps 0;

```

Qy 138 GGGGAGAGTGGCGCTGATGACCTGCGCGACGACGATGAGAGCGTAGCGATGAGGAGG 197
      |||||
Db 9 GAGGAGAGGCGGCGCCCAACGCGCGCGCGCGACGATGCAAGCGAGCGATGAGGAGG 68

```

```

Qy 198 AGTGGCGC 205
      |||||
Db 69 AGCGGCGC 76

```

RESULT 13

```

US-10-620-246-71
; Sequence 71, Application US/10620246
; Publication No. US20040115211A1
; GENERAL INFORMATION:
; APPLICANT: ANDERSEN, Peter
; APPLICANT: NIELSEN, Rikke
; APPLICANT: OETTINGER, Thomas
; APPLICANT: RASMUSSEN, Peter Birk
; APPLICANT: ROSENKRANDS, Ida
; APPLICANT: WELDEINGH, Karin
; APPLICANT: FLORIO, Walter
; TITLE OF INVENTION: NUCLEIC ACIDS FRAGMENTS AND POLYPEPTIDE FRAGMENTS
; TITLE OF INVENTION: DERIVED FROM M. TUBERCULOSIS
; FILE REFERENCE: 670001-2002.1A
; CURRENT APPLICATION NUMBER: US/10/620,246
; CURRENT FILING DATE: 2003-07-15
; PRIOR APPLICATION NUMBER: 09/050,739
; PRIOR FILING DATE: 1998-03-30
; PRIOR APPLICATION NUMBER: 0376/97
; PRIOR FILING DATE: 1997-04-02
; PRIOR APPLICATION NUMBER: 1277/97
; PRIOR FILING DATE: 1997-11-10
; PRIOR APPLICATION NUMBER: 60/044,624
; PRIOR FILING DATE: 1997-04-18
; PRIOR APPLICATION NUMBER: 60/070,488
; PRIOR FILING DATE: 1998-01-05
; PRIOR APPLICATION NUMBER: 10/138,473
; PRIOR FILING DATE: 2002-05-02
; PRIOR APPLICATION NUMBER: 09/791,171
; PRIOR FILING DATE: 2001-02-20
; PRIOR APPLICATION NUMBER: 09/415,884
; PRIOR FILING DATE: 1999-10-08
; PRIOR APPLICATION NUMBER: 60/116,673
; PRIOR FILING DATE: 1999-01-21
; PRIOR APPLICATION NUMBER: 1281/98
; PRIOR FILING DATE: 1998-10-08
; NUMBER OF SEQ ID NOS: 173
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 71
; LENGTH: 1890
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
US-10-620-246-71

```

Query Match 22.8%; Score 47.2; DB 7; Length 1890;

Best Local Similarity 80.9%; Pred. No. 0.00013; Matches 55; Conservative 0; Mismatches 13; Indels 0; Gaps 0;

```

Qy 138 GGGGAGAGTGGCGCTGATGACCTGCGCGACGACGATGAGAGCGTAGCGATGAGGAGG 197
      |||||
Db 9 GAGGAGAGGCGGCGCCCAACGCGCGCGCGCGACGATGCAAGCGAGCGATGAGGAGG 68

```

```

Qy 198 AGTGGCGC 205
      |||||
Db 69 AGCGGCGC 76

```

RESULT 14

```

US-10-755-415-137
; Sequence 137, Application US/10755415
; Publication No. US20050136480A1
; GENERAL INFORMATION:
; APPLICANT: BRAHMACHARI, SAMIR KUMAR
; APPLICANT: SHARMA, DEBASIS
; APPLICANT: SHARMA, RAMAKANT
; APPLICANT: MAHESHWARI, JITENDRA KUMAR
; TITLE OF INVENTION: A COMPUTER BASED VERSATILE METHOD FOR IDENTIFYING PROTEIN CODING
; FILE REFERENCE: 026033-00029
; CURRENT APPLICATION NUMBER: US/10/755,415

```



```

; APPLICANT: Pierce, James Michael
; APPLICANT: Kamar, Maria
; APPLICANT: Lee, Jin-Kyu
; APPLICANT: Kaneko, Mika
; TITLE OF INVENTION: N-Acetylglucosaminyltransferase Vb Coding Sequences, Recombinant
; FILE REFERENCE: 49-002A
; CURRENT APPLICATION NUMBER: US/10/972,053
; CURRENT FILING DATE: 2004-10-22
; PRIOR APPLICATION NUMBER: PCT/US03/091402
; PRIOR FILING DATE: 2003-04-23
; PRIOR APPLICATION NUMBER: US 60/375,172
; PRIOR FILING DATE: 2002-04-23
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 3
; LENGTH: 3370
; TYPE: DNA
; ORGANISM: Mus musculus
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (369)..(2744)
; US-10-972-053-3

Query Match          19.1%; Score 39.6; DB 6; Length 3370;
Best Local Similarity 53.6%; Pred. No. 0.18;
Matches 104; Conservative 0; Mismatches 89; Indels 1; Gaps 1;

Qy      12  CGACGACGATGACGAGGTGACGATGAGTGGGGGACCAACCGCTTGCGGGGAGAGATG  71
Db      286 CGAAGCCGCTGCGGGCCGAGCCCGGGGGGTGCGACGACCGAGGAGCGCGGGGACGCGTG  227
Qy      72  GCGGTGATGACCTGCGCCGACGACGATGACAGAGCGTGAAGTGGGGGACCAACC  131
Db      226 GCTCTGACGCCCCCGCGGGGACGCGCGCGGC-CTGGGCGCGGAGGAGGCGTTCCGCG  168
Qy      132 GCTTCCGGGGAGAGTGGCGCTGATGACCTGCGCCGACGACGATGACAGCGTACGATG  191
Db      167 AGAGCTTGGGGCCGGGGGCTCTGCGCTCCGCCCTCCCGATTCACATTTTGGGGAAG  108
Qy      192 AGGAGAGTGGCGC  205
Db      107 GCGAGGCGGCGCGC  94

RESULT 3
; US-10-802-796-526/c
; Sequence 526, Application US/10802796
; Publication No. US20050250104A1
; GENERAL INFORMATION:
; APPLICANT: COLE, STEWART
; APPLICANT: BUCHRIESES-BROSCH, ROLAND
; APPLICANT: GORDON, STEPHEN
; APPLICANT: BILLAUDT, ALAIN
; TITLE OF INVENTION: A METHOD FOR ISOLATING A POLYNUCLEOTIDE OF INTEREST
; TITLE OF INVENTION: FROM THE GENOME OF A MYCOBACTERIUM USING A BAC-BASED
; FILE REFERENCE: 05394.0011-00000
; CURRENT APPLICATION NUMBER: US/10/802,796
; CURRENT FILING DATE: 2004-03-18
; PRIOR APPLICATION NUMBER: US/09/673,476
; PRIOR FILING DATE: 2002-03-29
; PRIOR APPLICATION NUMBER: PCT/IB99/00740
; PRIOR FILING DATE: 1999-04-16
; PRIOR APPLICATION NUMBER: 09/060,756
; PRIOR FILING DATE: 1998-04-16
; NUMBER OF SEQ ID NOS: 743
; SOFTWARE: PatentIn Ver. 2.2
; SEQ ID NO 526
; LENGTH: 173
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
```

```

US-10-802-796-526

Query Match          17.7%; Score 36.6; DB 6; Length 173;
Best Local Similarity 90.7%; Pred. No. 1.2;
Matches 39; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy      163 CGCCGACGACGATGCGATGCGATGAGAGAGTGGCGC  205
Db      76  CGCCGCGACGATGCGAGCGCAGCGATGAGAGAGCGGCGC  34

RESULT 4
; US-10-802-796-597/c
; Sequence 597, Application US/10802796
; Publication No. US20050250104A1
; GENERAL INFORMATION:
; APPLICANT: COLE, STEWART
; APPLICANT: BUCHRIESES-BROSCH, ROLAND
; APPLICANT: GORDON, STEPHEN
; APPLICANT: BILLAUDT, ALAIN
; TITLE OF INVENTION: A METHOD FOR ISOLATING A POLYNUCLEOTIDE OF INTEREST
; TITLE OF INVENTION: FROM THE GENOME OF A MYCOBACTERIUM USING A BAC-BASED
; FILE REFERENCE: 05394.0011-00000
; CURRENT APPLICATION NUMBER: US/10/802,796
; CURRENT FILING DATE: 2004-03-18
; PRIOR APPLICATION NUMBER: US/09/673,476
; PRIOR FILING DATE: 2002-03-29
; PRIOR APPLICATION NUMBER: PCT/IB99/00740
; PRIOR FILING DATE: 1999-04-16
; PRIOR APPLICATION NUMBER: 09/060,756
; PRIOR FILING DATE: 1998-04-16
; NUMBER OF SEQ ID NOS: 743
; SOFTWARE: PatentIn Ver. 2.2
; SEQ ID NO 597
; LENGTH: 234
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis

US-10-802-796-597

Query Match          17.7%; Score 36.6; DB 6; Length 234;
Best Local Similarity 90.7%; Pred. No. 1.1;
Matches 39; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy      163 CGCCGACGACGATGCGATGCGATGAGAGAGTGGCGC  205
Db      84  CGCCGCGACGATGCGAGCGCAGCGATGAGAGAGCGGCGC  42

RESULT 5
; US-10-802-796-586/c
; Sequence 586, Application US/10802796
; Publication No. US20050250104A1
; GENERAL INFORMATION:
; APPLICANT: COLE, STEWART
; APPLICANT: BUCHRIESES-BROSCH, ROLAND
; APPLICANT: GORDON, STEPHEN
; APPLICANT: BILLAUDT, ALAIN
; TITLE OF INVENTION: A METHOD FOR ISOLATING A POLYNUCLEOTIDE OF INTEREST
; TITLE OF INVENTION: FROM THE GENOME OF A MYCOBACTERIUM USING A BAC-BASED
; FILE REFERENCE: 05394.0011-00000
; CURRENT APPLICATION NUMBER: US/10/802,796
; CURRENT FILING DATE: 2004-03-18
; PRIOR APPLICATION NUMBER: US/09/673,476
; PRIOR FILING DATE: 2002-03-29
; PRIOR APPLICATION NUMBER: PCT/IB99/00740
; PRIOR FILING DATE: 1999-04-16
; PRIOR APPLICATION NUMBER: 09/060,756
; PRIOR FILING DATE: 1998-04-16
; NUMBER OF SEQ ID NOS: 743
```

```
; SOFTWARE: Patentin Ver. 2.2
; SEQ ID NO 586
; LENGTH: 241
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
US-10-802-796-586
```

```
Query Match
Best Local Similarity 90.7%; Pred. No. 1.1;
Matches 39; Conservative 0; Mismatches 4; Indels 0; Gaps 0;
```

```
QY 163 CGCCGACGACGATGCGAGCGGTAGCCGATGAGAGAGAGTGGCC 205
Db 64 CGCCGCGGACGATGCCGACGCGCAGCGATGAGAGAGAGCGCGCC 22
```

RESULT 6

```
US-10-802-796-635/c
; Sequence 635, Application US/10802796
; Publication No. US20050250104A1
; GENERAL INFORMATION:
```

```
; APPLICANT: COLE, STEWART
; APPLICANT: BUCHRIESEN-BROSCH, ROLAND
; APPLICANT: GORDON, STEPHEN
; APPLICANT: BILLAULT, ALAIN
; TITLE OF INVENTION: A METHOD FOR ISOLATING A POLYNUCLEOTIDE OF INTEREST
; TITLE OF INVENTION: FROM THE GENOME OF A MYCOBACTERIUM USING A BAC-BASED
; TITLE OF INVENTION: DNA LIBRARY. APPLICATION TO THE DETECTION OF
; TITLE OF INVENTION: MYCOBACTERIA.
; FILE REFERENCE: 05394.0011-00000
; CURRENT APPLICATION NUMBER: US/10/802,796
; PRIOR FILING DATE: 2004-03-18
; PRIOR APPLICATION NUMBER: US/09/673,476
; PRIOR FILING DATE: 2002-03-29
; PRIOR APPLICATION NUMBER: PCT/IB99/00740
; PRIOR FILING DATE: 1999-04-16
; PRIOR APPLICATION NUMBER: 09/060,756
; PRIOR FILING DATE: 1998-04-16
; NUMBER OF SEQ ID NOS: 743
; SOFTWARE: Patentin Ver. 2.2
; SEQ ID NO 635
; LENGTH: 376
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
US-10-802-796-635
```

```
Query Match
Best Local Similarity 17.7%; Score 36.6; DB 6; Length 376;
Matches 39; Conservative 0; Mismatches 4; Indels 0; Gaps 0;
```

```
QY 163 CGCCGACGACGATGCGAGCGGTAGCCGATGAGAGAGAGTGGCC 205
Db 87 CGCCGCGGACGATGCCGACGCGCAGCGATGAGAGAGAGCGCGCC 45
```

RESULT 7

```
US-10-802-796-521/c
; Sequence 521, Application US/10802796
; Publication No. US20050250104A1
; GENERAL INFORMATION:
; APPLICANT: COLE, STEWART
; APPLICANT: BUCHRIESEN-BROSCH, ROLAND
; APPLICANT: GORDON, STEPHEN
; APPLICANT: BILLAULT, ALAIN
; TITLE OF INVENTION: A METHOD FOR ISOLATING A POLYNUCLEOTIDE OF INTEREST
; TITLE OF INVENTION: FROM THE GENOME OF A MYCOBACTERIUM USING A BAC-BASED
; TITLE OF INVENTION: DNA LIBRARY. APPLICATION TO THE DETECTION OF
; TITLE OF INVENTION: MYCOBACTERIA.
; FILE REFERENCE: 05394.0011-00000
; CURRENT APPLICATION NUMBER: US/10/802,796
; PRIOR FILING DATE: 2004-03-18
; PRIOR APPLICATION NUMBER: US/09/673,476
; PRIOR FILING DATE: 2002-03-29
```

```
; PRIOR APPLICATION NUMBER: PCT/IB99/00740
; PRIOR FILING DATE: 1999-04-16
; PRIOR APPLICATION NUMBER: 09/060,756
; PRIOR FILING DATE: 1998-04-16
; NUMBER OF SEQ ID NOS: 743
; SOFTWARE: Patentin Ver. 2.2
; SEQ ID NO 521
; LENGTH: 406
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
US-10-802-796-521
```

```
Query Match
Best Local Similarity 90.7%; Pred. No. 1.1;
Matches 39; Conservative 0; Mismatches 4; Indels 0; Gaps 0;
```

```
QY 163 CGCCGACGACGATGCGAGCGGTAGCCGATGAGAGAGAGTGGCC 205
Db 59 CGCCGCGGACGATGCCGACGCGCAGCGATGAGAGAGAGCGCGCC 17
```

RESULT 8

```
US-11-121-086-46/c
; Sequence 46, Application US/11121086
; Publication No. US20050266459A1
; GENERAL INFORMATION:
; APPLICANT: NIELSEN, KIRSTEN V.
; APPLICANT: POLISEN, TIM S.
; TITLE OF INVENTION: NUCLEIC ACID PROBES AND NUCLEIC ACID ANALOG PROBES
; FILE REFERENCE: 09138.6000-00000
; CURRENT APPLICATION NUMBER: US/11/121,086
; PRIOR FILING DATE: 2005-05-04
; PRIOR APPLICATION NUMBER: 60/567,570
; PRIOR FILING DATE: 2004-05-04
; NUMBER OF SEQ ID NOS: 107
; SOFTWARE: Patentin version 3.3
; SEQ ID NO 46
; LENGTH: 158410
; TYPE: DNA
; ORGANISM: Homo sapiens
US-11-121-086-46
```

```
Query Match
Best Local Similarity 17.7%; Score 36.6; DB 7; Length 158410;
Matches 96; Conservative 0; Mismatches 99; Indels 0; Gaps 0;
```

```
QY 13 GACGACGATGCGAGCGGTAGCCGATGAGAGAGAGTGGGCAACCCGCTTGGCGGAGAGTGG 72
Db 63655 GAGGAGAGTGGGGGGGTCAAGCCCCCGCTGGCCAGCCCGCTCCAGAGGTGAGGGG 63596
```

```
QY 73 CGCTGATGACCTTGGCGGCAACGATGCGAGAGGTAGCGATGAGAGAGTGGGGGCAACCCG 132
Db 63595 CGCTCTGCGCCCGCCCGCTTCTGGAAGTGAAGCCCTCTGCGCGCCGCGCCG 63536
```

```
QY 133 CTTCGGGGGAGAGTGGCGCTGATGACTGCGCCGACGACGATGACGAGAGTGGAGATGA 192
Db 63535 GTTCGGAGAGAGAGTGGGGGGGTCAAGCCCCCGGACCCCGCTGTCGGGAAG 63476
```

```
QY 193 GGAGAGTGGCGCTG 207
Db 63475 TGAAGGGCGGCTCTG 63461
```

RESULT 9

```
US-10-995-561-13346
; Sequence 13346, Application US/10995561
; Publication No. US20050272054A1
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE. METHODS OF
; TITLE OF INVENTION: DETECTION AND USES THEREOF
; FILE REFERENCE: CL001559
```

```

; CURRENT APPLICATION NUMBER: US/10/995,561
; CURRENT FILING DATE: 2004-11-24
; NUMBER OF SEQ ID NOS: 85702
; SOFTWARE: FASTSEQ for Windows Version 4.0
; SEQ ID NO 13346
; LENGTH: 43103
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-995-561-13346

Query Match      17.3%; Score 35.8; DB 6; Length 43103;
Best Local Similarity 51.6%; Pred. No. 1.3;
Matches 82; Conservative 0; Mismatches 77; Indels 0; Gaps 0;

OY      49  CCACCCGCTTGGCGGGAGAGTGGCGCTGATGACCTTGGCCCGACGACGATGCAGAGCCTA 108
Db       38968  CCGCCCTGTCCGGAGAGTGAAGGGCGCTCTGCCCGCCGCTTACTGGAAATGAGGA 39027

OY      109  GCGATAGAGTGGGGGACCAACCCGCTTGGCGGGGAGAGTGGCGCTGATGACCTTGGCCGA 168
Db       39028  GCCCTCTGTCCGCGCCACGCGCCGCTTCCGGGAGGAGTGGGGGGTACGCCAGCC 39087

OY      169  CGACGATGCAGAGCGTACGATGAGAGAGAGTGGCGCTG 207
Db       39088  CGGCACTCCGCCCTGTCCGGGAGTGAAGGGCGCCTCTG 39126

RESULT 10
US-11-121-086-76
; Sequence 76, Application US/11121086
; Publication No. US20050266459A1
; GENERAL INFORMATION:
; APPLICANT: POULSEN, TIM S.
; APPLICANT: NIELSEN, KIRSTEN V.
; TITLE OF INVENTION: NUCLEIC ACID PROBES AND NUCLEIC ACID ANALOG PROBES
; FILE REFERENCE: 09138.6000-00000
; CURRENT APPLICATION NUMBER: US/11/121,086
; CURRENT FILING DATE: 2005-05-04
; PRIOR APPLICATION NUMBER: 60/567,570
; PRIOR FILING DATE: 2004-05-04
; NUMBER OF SEQ ID NOS: 107
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 76
; LENGTH: 98862
; TYPE: DNA
; ORGANISM: Homo sapiens
US-11-121-086-76

Query Match      17.3%; Score 35.8; DB 7; Length 98862;
Best Local Similarity 51.6%; Pred. No. 1.2;
Matches 82; Conservative 0; Mismatches 77; Indels 0; Gaps 0;

OY      49  CCACCCGCTTGGCGGGAGAGTGGCGCTGATGACCTTGGCCGACGACGATGCAGAGCCTA 108
Db       55476  CCGCCCGCTCCGGAGGTGAGGGCGCTCTGTGCCGCGCCCTTACTGGAAATGAGGA 55535

OY      109  GCGATGAGTGGGGGACCAACCCGCTTGGCGGGGAGAGTGGCGCTGATGACCTTGGCCGA 168
Db       55536  GCCCTCTGTCCCGCCGACCAACCCGCTTCCGGGAGGAGATGGGGGGGTACGCCCCCGCC 55555

OY      169  CGACGATGCAGAGCGTACGATGAGAGAGAGTGGCGCTG 207
Db       55596  CGGCCAGCGCCCGCTCCGGGAGTGAAGGGCGCCTCTG 55634

RESULT 11
US-11-120-925-1/c
; Sequence 1, Application US/11120925
; Publication No. US2006000354A1
; GENERAL INFORMATION:
; APPLICANT: Krantz, Ian D.
; APPLICANT: Jackson, Laird G.
; TITLE OF INVENTION: Methods and Compositions for the

```

```

: TITLE OF INVENTION: Diagnosis of Cornelia De Lange Syndrome
: FILE REFERENCE: 3460-CHOP 0235US
: CURRENT APPLICATION NUMBER: US/11/120,925
: CURRENT FILING DATE: 2005-05-03
: PRIOR APPLICATION NUMBER: US 60/567,756
: PRIOR FILING DATE: 2004-05-03
: NUMBER OF SEQ ID NOS: 120
: SOFTWARE: FastSeq for Windows Version 3.0
: SEQ ID NO 1
: LENGTH: 188056
: TYPE: DNA
: ORGANISM: Artificial Sequence
: FEATURE:
: OTHER INFORMATION: Synthetic Sequence
US-11-120-925-1

Query Match 16.9%; Score 35; DB 7; Length 188056;
Best Local Similarity 48.7%; Pred. No. 1.8;
Matches 95; Conservative 0; Mismatches 100; Indels 0; Gaps 0;

QY 13 GACGACGATGACAGACCGTACGATGAGTGGGGGACACACCCGCTTGGGGGAGAGTGG 72
Db 136184 GAGGAGAGTGGGGGGGTACAGCCCCCGCTGGCCACACCCGCCATCCGACGAGGTAGAGGG 136125

QY 73 CGCTATATACCTGCCCCCGACGACGATGACAGAGGTAGCGATAGAGTGGGGGACACCCG 132
Db 136124 CGCCTCTGCCCCCGCGCTTCTAGGAAGTGAAGAGCCCTCTGCCCCGACGCGCC 136065

QY 133 CTYGGGGGGGAGAGTGGCGCTGATGACCTGCGCCGACGACGATGACAGAGCGTACGATGA 192
Db 136064 CCTCCGGAGGAGAGGTGGGGGGGTACAGCCCCCCTGGGACAGCCCGCCCTCGGAGG 136005

QY 193 GGAGGAGTGGCGCTG 207
Db 136004 TGAGGGGCGCCTCTG 135990

RESULT 12
US-10-995-561-13215/c
: Sequence 13215, Application US/10995561
: Publication No. US20050272054A1
: GENERAL INFORMATION:
: APPLICANT: CARGILL, Michele et al.
: TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
: TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
: TITLE OF INVENTION: DETECTION AND USES THEREOF
: FILE REFERENCE: C1001559
: CURRENT APPLICATION NUMBER: US/10/995,561
: CURRENT FILING DATE: 2004-11-24
: NUMBER OF SEQ ID NOS: 85702
: SOFTWARE: FastSeq for Windows Version 4.0
: SEQ ID NO 13215
: LENGTH: 241805
: TYPE: DNA
: ORGANISM: Homo sapiens
: FEATURE:
: NAME/KEY: misc feature
: LOCATION: (1).. (241805)
: OTHER INFORMATION: n = A,T,C or G, or insertion/deletion polymorphism (see Tables 1-7)
US-10-995-561-13215

Query Match 16.6%; Score 34.4; DB 6; Length 241805;
Best Local Similarity 48.5%; Pred. No. 2.5;
Matches 95; Conservative 0; Mismatches 101; Indels 0; Gaps 0;

QY 9 CGCCGACGACGATGACAGACCGTACGATGAGTGGGGGACACACCCGCTTGGGGGAGAGA 68
Db 41198 CGTCTGGAGGAGGTGGGATCAGCCCCCGCCGACGACCCGCCATCCGGAGGTGA 41139

QY 69 GTGGGCGCTGATGACCTGCGCCCGACGACGATGACGAGCGGTAGCGATAGAGTGGGGGACCA 128
Db 41138 GGGGGCGCTTCTGCGCCACGCGCCCTTACTGGGAAGTAGAGAGCCCTCTGCGGGGCGACCC 41079

```


; TYPE: DNA

Search completed: January 12, 2006, 05:40:34
Job time : 115 secs

Logbook (1840)


```
; CURRENT APPLICATION NUMBER: US/09/103,840A
; CURRENT FILING DATE: 1998-06-24
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 4403765
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
; FEATURE:
; OTHER INFORMATION: CDC 1551
; OTHER INFORMATION: "n" bases at various positions throughout the sequence
US-09-103-840A-2
```

```
Query Match      84.2%; Score 44.6; DB 3; Length 4403765;
Best Local Similarity 92.2%; Pred. No. 1.3e-05;
Matches 47; Conservative 0; Mismatches 4; Indels 0; Gaps 0;
```

```
QY      2 TGACCTGCGCGCGACGATGCGATGCGATGAGAGAGTGGCGCT 52
Db      1644497 TGAGCCGCGCGCGACGATGCGAGCGAAGCGATGAGAGAGCGCGCT 1644447
```

```
RESULT 3
US-09-103-840A-1
; Sequence 1, Application US/09103840A
; Patent No. 6294328
; GENERAL INFORMATION:
; APPLICANT: FLEISCHMAN, Robert D.
; APPLICANT: WHITE, Owen R.
; APPLICANT: FRASER, Claire M.
; APPLICANT: VENTER, John C.
; TITLE OF INVENTION: DNA SEQUENCES FOR STRAIN ANALYSIS IN MYCOBACTERIUM
; FILE REFERENCE: 24366-20007.00
; CURRENT APPLICATION NUMBER: US/09/103,840A
; CURRENT FILING DATE: 1998-06-24
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 4411529
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
; OTHER INFORMATION: H37Rv
US-09-103-840A-1
```

```
Query Match      84.2%; Score 44.6; DB 3; Length 4411529;
Best Local Similarity 92.2%; Pred. No. 1.3e-05;
Matches 47; Conservative 0; Mismatches 4; Indels 0; Gaps 0;
```

```
QY      2 TGACCTGCGCGCGACGATGCGATGCGATGAGAGAGTGGCGCT 52
Db      2996001 TGACCTGCGCGCGCGACGATGCGAGCGCGATGAGAGAGCGCGCT 2996051
```

```
RESULT 4
US-09-103-840A-1/c
; Sequence 1, Application US/09103840A
; Patent No. 6294328
; GENERAL INFORMATION:
; APPLICANT: FLEISCHMAN, Robert D.
; APPLICANT: WHITE, Owen R.
; APPLICANT: FRASER, Claire M.
; APPLICANT: VENTER, John C.
; TITLE OF INVENTION: DNA SEQUENCES FOR STRAIN ANALYSIS IN MYCOBACTERIUM
; FILE REFERENCE: 24366-20007.00
; CURRENT APPLICATION NUMBER: US/09/103,840A
; CURRENT FILING DATE: 1998-06-24
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 4411529
```

```
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
; OTHER INFORMATION: H37Rv
US-09-103-840A-1
```

```
Query Match      84.2%; Score 44.6; DB 3; Length 4411529;
Best Local Similarity 92.2%; Pred. No. 1.3e-05;
Matches 47; Conservative 0; Mismatches 4; Indels 0; Gaps 0;
```

```
QY      2 TGACCTGCGCGCGACGATGCGATGCGATGAGAGAGTGGCGCT 52
Db      1644363 TGAGCCGCGCGCGACGATGCGAGCGAAGCGATGAGAGAGCGCGCT 1644313
```

```
RESULT 5
US-08-390-878-16
; Sequence 16, Application US/08390878
; Patent No. 5700683
; GENERAL INFORMATION:
; APPLICANT: Stover, Charles K.
; APPLICANT: Mahairas, Gregory G.
; TITLE OF INVENTION: VIRULENCE-ATTENUATING GENETIC DELETIONS
; NUMBER OF SEQUENCES: 18
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend Kourie and Crew
; STREET: One Market Plaza, Stewart Street Tower, 20th
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94105
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/390,878
; FILING DATE: 17-FEB-1995
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Hunter, Tom
; REGISTRATION NUMBER: 38,498
; REFERENCE/DOCKET NUMBER: 15371A-17
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415/543/9600
; TELEFAX: 415/543/5043
; INFORMATION FOR SEQ ID NO: 16:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 16885 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
US-08-390-878-16
```

```
Query Match      79.2%; Score 42; DB 2; Length 16885;
Best Local Similarity 90.0%; Pred. No. 5.4e-05;
Matches 45; Conservative 0; Mismatches 5; Indels 0; Gaps 0;
```

```
QY      2 TGACCTGCGCGCGACGATGCGATGCGATGAGAGAGTGGCGCT 51
Db      784 TGACCGCGCGCGCGACGATGCAACCGCGCGATGAGAGAGCGCGCT 833
```

```
RESULT 6
US-09-470-191-25/c
; Sequence 25, Application US/09470191
; Patent No. 6465633
; GENERAL INFORMATION:
; APPLICANT: Skeiky, Yasir
; APPLICANT: Corixa Corporation
; TITLE OF INVENTION: Compositions and Methods of Their Use in
```

TITLE OF INVENTION: the Treatment, Prevention and Diagnosis of Tuberculosis
 FILE REFERENCE: 014058-008910US
 CURRENT APPLICATION NUMBER: US/09/470,191
 CURRENT FILING DATE: 1999-12-23
 PRIOR APPLICATION NUMBER: US 60/113,952
 PRIOR FILING DATE: 1998-12-24
 NUMBER OF SEQ ID NOS: 97
 SOFTWARE: FastSeq for Windows Version 3.0
 SEQ ID NO: 25
 LENGTH: 263
 TYPE: DNA
 ORGANISM: Mycobacterium tuberculosis
 FEATURE:
 NAME/KEY: modified base
 LOCATION: (1)...(263)
 OTHER INFORMATION: n = any nucleotide
 US-09-470-191-25

Query Match 75.1%; Score 39.8; DB 3; Length 263;
 Best Local Similarity 86.3%; Pred. No. 0.00019;
 Matches 44; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

Qy 1 ATGACCTGCGCCGACGATGACGAGCGGTAGCGATGAGAGAGAGTGGCGC 51
 Db 252 ATGACTCGCGCCGACGATGACGAGCGGAAAGCGATGAGAGAGAGCGCGCC 202

RESULT 7
 US-09-050-739-71
 ; Sequence 71, Application US/09050739
 ; Patent No. 6641814
 ; GENERAL INFORMATION:
 ; APPLICANT: ANDERSEN, Peter
 ; APPLICANT: NIELSEN, Rikke
 ; APPLICANT: OERTINGER, Thomas
 ; APPLICANT: RASMUSSEN, Peter Birk
 ; APPLICANT: ROSENKRANDS, Ida
 ; APPLICANT: WELDINGH, Karin
 ; APPLICANT: FLORIO, Walter
 ; TITLE OF INVENTION: NUCLEIC ACIDS FRAGMENTS AND POLYPEPTIDE FRAGMENTS
 ; FILE REFERENCE: 670001-2002.1
 ; CURRENT APPLICATION NUMBER: US/09/050,739
 ; CURRENT FILING DATE: 1998-03-30
 ; EARLIER APPLICATION NUMBER: 0376/97
 ; EARLIER FILING DATE: 1997-04-02
 ; EARLIER APPLICATION NUMBER: 1277/97
 ; EARLIER FILING DATE: 1997-11-10
 ; EARLIER APPLICATION NUMBER: 60/044,624
 ; EARLIER FILING DATE: 1997-04-18
 ; EARLIER APPLICATION NUMBER: 60/070,488
 ; EARLIER FILING DATE: 1998-01-05
 ; NUMBER OF SEQ ID NOS: 173
 ; SOFTWARE: PatentIn Ver. 2.0
 ; SEQ ID NO: 71
 ; LENGTH: 1890
 ; TYPE: DNA
 ; ORGANISM: Mycobacterium tuberculosis
 ; US-09-050-739-71

Query Match 75.1%; Score 39.8; DB 3; Length 1890;
 Best Local Similarity 86.3%; Pred. No. 0.00023;
 Matches 44; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

Qy 1 ATGACCTGCGCCGACGATGACGAGCGGTAGCGATGAGAGAGAGTGGCGC 51
 Db 26 ACGCGCCGCGCCGCGGACGATGCAAGCGGAGGATGAGAGAGCGCGCC 76

RESULT 8
 US-08-311-731A-138/c
 ; Sequence 138, Application US/08311731A
 ; Patent No. 6583266

GENERAL INFORMATION:
 APPLICANT: SMITH, DOUGLAS
 APPLICANT: MAO, JEN-I
 TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES
 TITLE OF INVENTION: RELATING TO MYCOBACTERIUM TUBERCULOSIS AND LAPRAE FOR
 TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
 NUMBER OF SEQUENCES: 411
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: WOLF, GREENFIELD & SACKS, P.C.
 STREET: 600 ATLANTIC AVENUE
 CITY: BOSTON
 STATE: MASSACHUSETTS
 COUNTRY: USA
 ZIP: 02210
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/311,731A
 FILING DATE:
 CLASSIFICATION: 530
 ATTORNEY/AGENT INFORMATION:
 NAME: GATES, EDWARD R.
 REGISTRATION NUMBER: 31,616
 REFERENCE/DOCKET NUMBER: C0044/7125
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 617/720-3500
 TELEFAX: 617/720-2441
 INFORMATION FOR SEQ ID NO: 138:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 35961 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: double
 TOPOLOGY: circular
 MOLECULE TYPE: DNA (genomic)
 HYPOTHETICAL: NO
 ANTI-SENSE: NO
 ORIGINAL SOURCE:
 ORGANISM: Mycobacterium leprae
 US-08-311-731A-138

Query Match 73.2%; Score 38.8; DB 3; Length 35961;
 Best Local Similarity 86.0%; Pred. No. 0.0007;
 Matches 43; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

Qy 2 TGACCTGCGCCGACGATGACGAGCGGTAGCGATGAGAGAGAGTGGCGC 51
 Db 22990 TGATCGCGCCGCGGACGATGCGAGCTAAGCGATGAGAGAGAGTGGCGC 22941

RESULT 9
 US-08-311-731A-24/c
 ; Sequence 24, Application US/08311731A
 ; Patent No. 6583266

GENERAL INFORMATION:
 APPLICANT: SMITH, DOUGLAS
 APPLICANT: MAO, JEN-I
 TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES
 TITLE OF INVENTION: RELATING TO MYCOBACTERIUM TUBERCULOSIS AND LAPRAE FOR
 TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
 NUMBER OF SEQUENCES: 411
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: WOLF, GREENFIELD & SACKS, P.C.
 STREET: 600 ATLANTIC AVENUE
 CITY: BOSTON
 STATE: MASSACHUSETTS
 COUNTRY: USA
 ZIP: 02210

COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/311.731A
FILING DATE:
CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: GATES, EDWARD R.
REGISTRATION NUMBER: 31,616
REFERENCE/DOCKET NUMBER: C0044/7125
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617/720-3500
TELEFAX: 617/720-2441
INFORMATION FOR SEQ ID NO: 24:
SEQUENCE CHARACTERISTICS:
LENGTH: 38494 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: circular
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: MYCOBACTERIUM LEPRAE
US-08-311-731A-24

Query Match 73.2%; Score 38.8; DB 3; Length 38494;
Best Local Similarity 86.0%; Pred. No. 0.00071;
Matches 43; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

QY 2 TGACCTGCGCGGACGATGCGAGCGTACGCTAGCGATGAGGAGATGGCGC 51
DB 6918 TGATCCGCGCGGCTACGATGCGGAGCTAGCGATGAGGAGATGGCGC 6869

RESULT 10
US-09-072-596-271/c
Sequence 271, Application US/09072596
Patent No. 6458366
GENERAL INFORMATION:
APPLICANT: Reed, Steven G.
APPLICANT: Skeiky, Yasir A.W.
APPLICANT: Dillon, Davin C.
APPLICANT: Campos-Neto, Antonia
APPLICANT: Houghton, Raymond
APPLICANT: Vedvick, Thomas S.
APPLICANT: Twardzik, Daniel R.
APPLICANT: Lodes, Michael J.
APPLICANT: Hendrickson, Ronald C.
TITLE OF INVENTION: COMPOUNDS AND METHODS FOR DIAGNOSIS OF
NUMBER OF SEQUENCES: 350
CORRESPONDENCE ADDRESS:
ADDRESSEE: SEED and BERRY LLP
STREET: 6300 Columbia Center, 701 Fifth Avenue
CITY: Seattle
STATE: Washington
COUNTRY: USA
ZIP: 98104-7092
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/072.596
FILING DATE: 05-MAY-1998
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Maki, David J.
REGISTRATION NUMBER: 31,392
REFERENCE/DOCKET NUMBER: 210121.417C9
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 622-4900

TELEFAX: (206) 682-6031
INFORMATION FOR SEQ ID NO: 271:
SEQUENCE CHARACTERISTICS:
LENGTH: 571 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
US-09-072-596-271

Query Match 70.9%; Score 37.6; DB 3; Length 571;
Best Local Similarity 82.7%; Pred. No. 0.0011;
Matches 43; Conservative 0; Mismatches 9; Indels 0; Gaps 0;

QY 2 TGACCTGCGCGGACGATGCGAGCGTACGCTAGCGAGGAGATGGCGCTG 53
DB 60 TGATCCGCGCGGCTACGATGCGGAGCTAGCGATGAGGAGATGGCGCTG 9

RESULT 11
US-09-072-967-276/c
Sequence 276, Application US/09072967
Patent No. 6592877
GENERAL INFORMATION:
APPLICANT: Reed, Steven G.
APPLICANT: Skeiky, Yasir A.W.
APPLICANT: Dillon, Davin C.
APPLICANT: Campos-Neto, Antonio
APPLICANT: Houghton, Raymond
APPLICANT: Vedvick, Thomas S.
APPLICANT: Twardzik, Daniel R.
APPLICANT: Lodes, Michael J.
APPLICANT: Hendrickson, Ronald C.
TITLE OF INVENTION: COMPOUNDS AND METHODS FOR IMMUNOTHERAPY
NUMBER OF SEQUENCES: 355
CORRESPONDENCE ADDRESS:
ADDRESSEE: SEED and BERRY LLP
STREET: 6300 Columbia Center, 701 Fifth Avenue
CITY: Seattle
STATE: Washington
COUNTRY: USA
ZIP: 98104-7092
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/072.967
FILING DATE: 05-MAY-1998
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Maki, David J.
REGISTRATION NUMBER: 31,392
REFERENCE/DOCKET NUMBER: 210121.411C9
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 622-4900
TELEFAX: (206) 682-6031
INFORMATION FOR SEQ ID NO: 276:
SEQUENCE CHARACTERISTICS:
LENGTH: 571 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
US-09-072-967-276

Query Match 70.9%; Score 37.6; DB 3; Length 571;
Best Local Similarity 82.7%; Pred. No. 0.0011;
Matches 43; Conservative 0; Mismatches 9; Indels 0; Gaps 0;

QY 2 TGACCTGCGCGGACGATGCGAGCGTACGCTAGCGAGGAGATGGCGCTG 53

Db 60 TGATCCGCGCGGCGAGATGCAGAGCGCGCATGCTTAAGAGCGCGCGCG 9

RESULT 12

US-10-193-002-271/c
Sequence 271, Application US/10193002
Patent No. 6949246

GENERAL INFORMATION:

APPLICANT: Reed, Steven G.

Skelky, Yasir A.W.

Dillon, Davin C.

Campes-Neto, Antonia

Houghton, Raymond

Vedvick, Thomas S.

Twardzik, Daniel R.

Lodes, Michael J.

Hendrickson, Ronald C.

TITLE OF INVENTION: COMPOUNDS AND METHODS FOR DIAGNOSIS OF TUBERCULOSIS

NUMBER OF SEQUENCES: 350

CORRESPONDENCE ADDRESS:

ADDRESSEE: SEED and BERRY LLP

STREET: 6300 Columbia Center, 701 Fifth Avenue

CITY: Seattle

STATE: Washington

COUNTRY: USA

ZIP: 98104-7092

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/10/193,002

FILING DATE: 10-Jul-2002

CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US/09/072,596

FILING DATE: 05-MAY-1998

ATTORNEY/AGENT INFORMATION:

NAME: Maki, David J.

REGISTRATION NUMBER: 31,392

REFERENCE/DOCKET NUMBER: 210121.417C9

TELECOMMUNICATION INFORMATION:

TELEPHONE: (206) 622-4900

TELEFAX: (206) 682-6031

INFORMATION FOR SEQ ID NO: 271:

SEQUENCE CHARACTERISTICS:

LENGTH: 571 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: cDNA

SEQUENCE DESCRIPTION: SEQ ID NO: 271:

US-10-193-002-271

Query Match 70.9%; Score 37.6; DB 3; Length 571;

Best Local Similarity 82.7%; Pred. No. 0.0011;

Matches 43; Conservative 0; Mismatches 9; Indels 0; Gaps 0;

QY 2 TGACCTGCGCGCGGCGAGATGCAGAGCGGTCGATGAGAGAGTGGCGCTG 53

Db 60 TGATCCGCGCGGCGAGATGCAGAGCGCGCATGCTTAAGAGCGCGCGCG 9

RESULT 13

US-10-084-843-276/c
Sequence 276, Application US/10084843
Patent No. 6962710

GENERAL INFORMATION:

APPLICANT: Reed, Steven G.

Skelky, Yasir A.W.

Dillon, Davin C.
Campes-Neto, Antonio
Houghton, Raymond
Vedvick, Thomas S.

Twardzik, Daniel R.
Lodes, Michael J.
Hendrickson, Ronald C.

TITLE OF INVENTION: COMPOUNDS AND METHODS FOR IMMUNOTHERAPY AND DIAGNOSIS OF TUBERCULOSIS

NUMBER OF SEQUENCES: 355

CORRESPONDENCE ADDRESS:

ADDRESSEE: SEED and BERRY LLP

STREET: 6300 Columbia Center, 701 Fifth Avenue

CITY: Seattle

STATE: Washington

COUNTRY: USA

ZIP: 98104-7092

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/10/084,843

FILING DATE: 25-Feb-2002

CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US/09/072,967

FILING DATE: 05-MAY-1998

ATTORNEY/AGENT INFORMATION:

NAME: Maki, David J.

REGISTRATION NUMBER: 31,392

REFERENCE/DOCKET NUMBER: 210121.411C9

TELECOMMUNICATION INFORMATION:

TELEPHONE: (206) 622-4900

TELEFAX: (206) 682-6031

INFORMATION FOR SEQ ID NO: 276:

SEQUENCE CHARACTERISTICS:

LENGTH: 571 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: cDNA

SEQUENCE DESCRIPTION: SEQ ID NO: 276:

US-10-084-843-276

Query Match 70.9%; Score 37.6; DB 3; Length 571;

Best Local Similarity 82.7%; Pred. No. 0.0011;

Matches 43; Conservative 0; Mismatches 9; Indels 0; Gaps 0;

QY 2 TGACCTGCGCGCGGCGAGATGCAGAGCGGTCGATGAGAGAGTGGCGCTG 53

Db 60 TGATCCGCGCGGCGAGATGCAGAGCGCGCATGCTTAAGAGCGCGCGCG 9

RESULT 14

US-08-311-731A-128/c
Sequence 128, Application US/08311731A
Patent No. 6583266

GENERAL INFORMATION:

APPLICANT: SMITH, DOUGLAS

TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES

RELATING TO MYCOBACTERIUM TUBERCULOSIS AND LAPRAE FOR

TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS

NUMBER OF SEQUENCES: 411

CORRESPONDENCE ADDRESS:

ADDRESSEE: WOLF, GREENFIELD & SACKS, P. C.

STREET: 600 ATLANTIC AVENUE

CITY: BOSTON

STATE: MASSACHUSETTS

COUNTRY: USA

ZIP: 02210

```

;
; COMPUTER READABLE FORM:
;
; MEDIUM TYPE: Floppy disk
;
; COMPUTER: IBM PC compatible
;
; OPERATING SYSTEM: PC-DOS/MS-DOS
;
; SOFTWARE: PatentIn Release #1.0, Version #1.25
;
; CURRENT APPLICATION DATA:
;
; APPLICATION NUMBER: US/08/311,731A
;
; FILING DATE:
;
; CLASSIFICATION: 530
;
; ATTORNEY/AGENT INFORMATION:
;
; NAME: GATES, EDWARD R.
;
; REGISTRATION NUMBER: 31,616
;
; TELECOMMUNICATION INFORMATION:
;
; TELEPHONE: 617/720-3500
;
; TELEFAX: 617/720-2441
;
; INFORMATION FOR SEQ ID NO: 128:
;
; SEQUENCE CHARACTERISTICS:
;
; LENGTH: 42988 base pairs
;
; TYPE: nucleic acid
;
; STRANDEDNESS: double
;
; TOPOLOGY: circular
;
; MOLECULE TYPE: DNA (genomic)
;
; HYPOTHEICAL: NO
;
; ANTI-SENSE: NO
;
; ORIGINAL SOURCE:
;
; ORGANISM: MYCOBACTERIUM LEPRAE
;
;
; US-08-311-731A-128
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```

Query Match          70.9%; Score 37.6; DB 3; Length 42988;
Best Local Similarity 90.9%; Pred. No. 0.0018;
Matches 40; Conservative 0; Mismatches 4; Indels 0; Gaps 0;
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Qy      8  GCGCGGACGATGACAGCGGTAGCGATGAGAGAGTGGCGC 51
          |||||
Db      5579 GCGCGGACGATGACAGCGAGCGATGCGGAGACTGTGC 5536
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RESULT 15
; US-09-060-756-526/c
; Sequence 526, Application US/09060756
; Patent No. 6183957
;
; GENERAL INFORMATION:
;
; APPLICANT: Cole, Stewart
;
; APPLICANT: Buchliesser-Brosch, Roland
;
; APPLICANT: Gordon, Stephen
;
; APPLICANT: Billault, Alain
;
; TITLE OF INVENTION: METHOD FOR ISOLATING A POLYNUCLEOTIDE OF INTEREST FROM
;
; TITLE OF INVENTION: THE GENOME OF A MYCOBACTERIUM USING A BAC-BASED DNA
;
; FILE REFERENCE: 3495-0169
;
; CURRENT APPLICATION NUMBER: US/09/060,756
;
; CURRENT FILING DATE: 1998-04-16
;
; NUMBER OF SEQ ID NOS: 743
;
; SOFTWARE: PatentIn Ver. 2.0
;
; SEQ ID NO 526
;
; LENGTH: 173
;
; TYPE: DNA
;
; ORGANISM: Mycobacterium tuberculosis
;
; US-09-060-756-526
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```

Query Match          69.1%; Score 36.6; DB 3; Length 173;
Best Local Similarity 90.7%; Pred. No. 0.0021;
Matches 39; Conservative 0; Mismatches 4; Indels 0; Gaps 0;
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Qy      9  GCGCGACGATGACAGCGGTAGCGATGAGAGAGTGGCGC 51
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Db      76  GCGCGACGATGCGGACGCGAGCGATGAGAGAGCGCGC 34
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Search completed: January 11, 2006, 18:36:51
Job time : 106.838 secs

GenCore version 5.1.6
Copyright (c) 1993 - 2006 CompuGen Ltd.

OM nucleic - nucleic search, using sw model

Run on: January 11, 2006, 18:14:10 : Search time 423.592 Seconds
(without alignments)
1034.667 Million cell updates/sec

Title: US-10-086-206A-2

Perfect score: 53

Sequence: 1 atgacctgcccgcagcagca.....gatgagagagagtcgctg 53

Scoring table: IDENTITY_NNC

Searched: 9793542 seqs, 413468905 residues

Total number of hits satisfying chosen parameters: 19587084

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Listing first 45 summaries

Database :

Published Applications NA Main:*

- 1: /cgn2_6/ptodata/1/pubpna/us07_PUBCOMB.seq:*
- 2: /cgn2_6/ptodata/1/pubpna/us08_PUBCOMB.seq:*
- 3: /cgn2_6/ptodata/1/pubpna/us09A_PUBCOMB.seq:*
- 4: /cgn2_6/ptodata/1/pubpna/us09B_PUBCOMB.seq:*
- 5: /cgn2_6/ptodata/1/pubpna/us10A_PUBCOMB.seq:*
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- 7: /cgn2_6/ptodata/1/pubpna/us10C_PUBCOMB.seq:*
- 8: /cgn2_6/ptodata/1/pubpna/us10D_PUBCOMB.seq:*
- 9: /cgn2_6/ptodata/1/pubpna/us10E_PUBCOMB.seq:*
- 10: /cgn2_6/ptodata/1/pubpna/us11_PUBCOMB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match %	Length	DB ID	Description
1	53	100.0	53	US-10-086-206-2	Sequence 2, App1
2	42	79.2	13773	US-10-510-021-2	Sequence 2, App1
3	42	79.2	31808	US-10-510-021-1	Sequence 1, App1
4	41.8	78.9	77	US-10-086-206-1	Sequence 1, App1
5	41.8	78.9	86114	US-10-080-170-648	Sequence 648, App
6	41.8	78.9	86114	US-10-080-170-648	Sequence 648, App
7	41.8	78.9	86114	US-10-468-356-648	Sequence 648, App
8	39.8	75.1	1890	US-09-791-171-71	Sequence 71, App1
9	39.8	75.1	1890	US-09-804-980-71	Sequence 71, App1
10	39.8	75.1	1890	US-10-620-246-71	Sequence 71, App1
11	37.6	70.9	571	US-10-193-002-271	Sequence 271, App
12	37.6	70.9	571	US-10-084-843-276	Sequence 276, App
13	37.6	70.9	571	US-11-028-898-276	Sequence 276, App
14	37.6	70.9	571	US-11-082-005-271	Sequence 271, App
15	36.6	69.1	173	US-10-259-678-526	Sequence 526, App
16	36.6	69.1	234	US-10-259-678-597	Sequence 597, App
17	36.6	69.1	241	US-10-259-678-586	Sequence 586, App
18	36.6	69.1	376	US-10-259-678-635	Sequence 635, App
19	36.6	69.1	406	US-10-259-678-521	Sequence 521, App
20	33.8	63.0	936	US-10-282-122A-26008	Sequence 26008, A
21	33.4	63.0	374	US-10-259-678-567	Sequence 567, App
22	31.4	59.2	448	US-10-259-678-60	Sequence 60, App1
23	30.6	57.7	978	US-10-282-122A-28344	Sequence 28344, A

C	24	29.8	56.2	217	6	US-10-259-678-266	Sequence 266, App
	25	29.6	55.8	1141	7	US-10-424-599-25530	Sequence 25530, A
	26	29	54.7	1043	7	US-10-437-963-94475	Sequence 94475, A
C	27	29	54.7	1146	6	US-10-259-165-237	Sequence 237, App
	28	28	52.8	52	6	US-10-086-206-3	Sequence 3, App1
	29	28	52.8	1366	7	US-10-282-122A-27849	Sequence 27849, A
	30	27.6	52.1	975	7	US-10-282-122A-26639	Sequence 26639, A
	31	27.6	52.1	975	8	US-10-481-265-96	Sequence 96, App1
	32	27.6	52.1	49600	7	US-10-459-262A-4	Sequence 4, App1
	33	27.6	52.1	69300	7	US-10-415-058-6	Sequence 6, App1
C	34	26.6	50.2	828	8	US-10-425-115-38697	Sequence 38697, A
C	35	26.6	50.2	857	8	US-10-425-115-38696	Sequence 38696, A
C	36	26.6	50.2	1518	8	US-10-425-115-38699	Sequence 38699, A
C	37	26	49.1	672	8	US-10-425-115-94768	Sequence 94768, A
C	38	26	49.1	813	7	US-10-437-963-25772	Sequence 25772, A
C	39	26	49.1	877	7	US-10-437-963-25767	Sequence 25767, A
C	40	26	49.1	1011	8	US-10-425-115-24667	Sequence 24667, A
C	41	26	49.1	1635	7	US-10-437-963-25769	Sequence 25769, A
C	42	26	49.1	1904	8	US-10-425-115-24661	Sequence 24661, A
C	43	25.8	48.7	285	8	US-10-425-115-74829	Sequence 74829, A
C	44	25.8	48.7	532	8	US-10-425-115-146179	Sequence 146179, A
C	45	25.8	48.7	662	8	US-10-425-115-63450	Sequence 63450, A

ALIGNMENTS

```
RESULT 1
US-10-086-206-2
; Sequence 2, Application US/10086206
; Publication No. US20030124546A1
; GENERAL INFORMATION:
; APPLICANT: Magdalena, J
; APPLICANT: Supply, P
; APPLICANT: Loch, C
; TITLE OF INVENTION: M. TUBERCULOSIS COMPLEX MEMBERS MYCOBACTERIA SPECIFIC
; TITLE OF INVENTION: NUCLEIC ACID FRAGMENTS AND THEIR APPLICATIONS FOR THE
; TITLE OF INVENTION: DETECTION AND DIFFERENTIAL DIAGNOSIS OF M. TUBERCULOSIS
; TITLE OF INVENTION: COMPLEX MEMBERS
; FILE REFERENCE: 408.014
; CURRENT APPLICATION NUMBER: US/10/086,206
; CURRENT FILING DATE: 2002-02-28
; PRIOR APPLICATION NUMBER: PCT/FR97/01483
; PRIOR FILING DATE: 1997-08-12
; PRIOR APPLICATION NUMBER: FR 96/10277
; NUMBER OF SEQ ID NOS: 11
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 53
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
US-10-086-206-2

Query Match      100.0%; Score 53; DB 6; Length 53;
Best Local Similarity 100.0%; Pred. No. 3.6e-09;
Matches 53; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Cy      1  ATGACCTGCGCCGACGACGATGCGAGCGGTAGCGATGAGGAGGAGTGGCGCTG 53
Db      1  ATGACCTGCGCCGACGACGATGCGAGCGGTAGCGATGAGGAGGAGGAGTGGCGCTG 53

RESULT 2
US-10-510-021-2
; Sequence 2, Application US/10510021
; Publication No. US20050220811A1
; GENERAL INFORMATION:
; APPLICANT: Cole, Stewart
; APPLICANT: Pym, Alexander S
; APPLICANT: Brosch, Roland
; APPLICANT: Brodin, Priscille
; APPLICANT: Majlessi, Taleh
```

```

; APPLICANT: Demangel, Caroline
; APPLICANT: Lelerc, Claude
; TITLE OF INVENTION: Identification of virulence associated regions RD1 and
; TITLE OF INVENTION: RD5 leading to improve vaccine of M. bovis BCG and M.
; TITLE OF INVENTION: Microti
; FILE REFERENCE: D20217
; CURRENT APPLICATION NUMBER: US/10/510, 021
; CURRENT FILING DATE: 2004-10-01
; PRIOR APPLICATION NUMBER: PCT/IB03/01789
; PRIOR FILING DATE: 2003-04-01
; PRIOR APPLICATION NUMBER: EP 02/290864
; PRIOR FILING DATE: 2002-04-05
; NUMBER OF SEQ ID NOS: 75
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 2
; LENGTH: 13773
; TYPE: DNA
; ORGANISM: mycobacterium tuberculosis
; FEATURE:
; OTHER INFORMATION: Complete DNA sequence of RD1 RV3867-3877
; US-10-510-021-2

```

```

Query Match          79.2%; Score 42; DB 9; Length 13773;
Best Local Similarity 90.0%; Pred. No. 2e-05;
Matches 45; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

```

```

QY      2 TGACCTGCGCGGACGACGATGCAAGCGGTAGCGATGAGAGAGAGTGGCGC 51
DB      5953 TGACCCGCGCGGCGGACGATGCAAGCGCGACGATGAGAGAGAGCGGCGC 6002

```

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RESULT 3
; US-10-510-021-1
; Sequence 1, Application US/10510021
; Publication No. US20050220811A1
; GENERAL INFORMATION:
; APPLICANT: Cole, Stewart
; APPLICANT: Pym, Alexander S
; APPLICANT: Brosch, Roland
; APPLICANT: Brodin, Priscille
; APPLICANT: Majlessi, Laleh
; APPLICANT: Demangel, Caroline
; APPLICANT: Lelerc, Claude
; TITLE OF INVENTION: Identification of virulence associated regions RD1 and
; TITLE OF INVENTION: RD5 leading to improve vaccine of M. bovis BCG and M.
; TITLE OF INVENTION: Microti
; FILE REFERENCE: D20217
; CURRENT APPLICATION NUMBER: US/10/510, 021
; CURRENT FILING DATE: 2004-10-01
; PRIOR APPLICATION NUMBER: PCT/IB03/01789
; PRIOR FILING DATE: 2003-04-01
; PRIOR APPLICATION NUMBER: EP 02/290864
; PRIOR FILING DATE: 2002-04-05
; NUMBER OF SEQ ID NOS: 75
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 1
; LENGTH: 31808
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
; FEATURE:
; OTHER INFORMATION: Insert of cosmid RD1-2F9 corresponding to sequence
; OTHER INFORMATION: in the genome of mlycobacterium tuberculosis H37Rv
; US-10-510-021-1

```

```

Query Match          79.2%; Score 42; DB 9; Length 31808;
Best Local Similarity 90.0%; Pred. No. 1.9e-05;
Matches 45; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

```

```

QY      2 TGACCTGCGCGGACGACGATGCAAGCGGTAGCGATGAGAGAGAGTGGCGC 51
DB      11914 TGACCCGCGCGGCGGACGATGCAAGCGCGACGATGAGAGAGAGCGGCGC 11963

```

```

RESULT 4
; US-10-086-206-1
; Sequence 1, Application US/10086206
; Publication No. US20030124546A1
; GENERAL INFORMATION:
; APPLICANT: Magdalena, J
; APPLICANT: Supply, P
; APPLICANT: Loch, C
; TITLE OF INVENTION: M. TUBERCULOSIS COMPLEX MEMBERS MYCOBACTERIA SPECIFIC
; TITLE OF INVENTION: NUCLEIC ACID FRAGMENTS AND THEIR APPLICATIONS FOR THE
; TITLE OF INVENTION: DETECTION AND DIFFERENTIAL DIAGNOSIS OF M. TUBERCULOSIS
; TITLE OF INVENTION: COMPLEX MEMBERS
; FILE REFERENCE: 408.014
; CURRENT APPLICATION NUMBER: US/10/086, 206
; CURRENT FILING DATE: 2002-02-28
; PRIOR APPLICATION NUMBER: PCT/FR97/01483
; PRIOR FILING DATE: 1997-08-12
; PRIOR APPLICATION NUMBER: FR 96/10277
; PRIOR FILING DATE: 1996-08-19
; NUMBER OF SEQ ID NOS: 11
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 1
; LENGTH: 77
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
; US-10-086-206-1

```

```

Query Match          78.9%; Score 41.8; DB 6; Length 77;
Best Local Similarity 95.6%; Pred. No. 3.3e-05;
Matches 43; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

```

```

QY      1 ATGACCTGCGCGGACGACGATGCAAGCGGTAGCGATGAGAGAGAG 45
DB      1 ATGACCTGCGCGGCGGACGACGATGCAAGCGGTAGCGATGAGAGAGTGGG 45

```

```

RESULT 5
; US-10-080-170-648
; Sequence 648, Application US/10080170
; Publication No. US20030129601A1
; GENERAL INFORMATION:
; APPLICANT: COLE, S.T.
; TITLE OF INVENTION: COMPARATIVE MYCOBACTERIAL GENOMICS AS A TOOL FOR
; TITLE OF INVENTION: IDENTIFYING TARGETS FOR THE DIAGNOSIS, PROPHYLAXIS OR
; TITLE OF INVENTION: TREATMENT OF MYCOBACTERIOSES
; FILE REFERENCE: 03495.0218
; CURRENT APPLICATION NUMBER: US/10/080, 170
; CURRENT FILING DATE: 2002-06-10
; PRIOR APPLICATION NUMBER: 60/270,123
; PRIOR FILING DATE: 2001-02-22
; NUMBER OF SEQ ID NOS: 652
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 648
; LENGTH: 86114
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
; US-10-080-170-648

```

```

Query Match          78.9%; Score 41.8; DB 6; Length 86114;
Best Local Similarity 95.6%; Pred. No. 2.2e-05;
Matches 43; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

```

```

QY      1 ATGACCTGCGCGGACGACGATGCAAGCGGTAGCGATGAGAGAGAG 45
DB      67175 ATGACCTGCGCGGCGGACGACGATGCAAGCGGTAGCGATGAGAGAGTGGG 67219

```

```

RESULT 6
; US-10-080-170-648
; Sequence 648, Application US/10080170
; Publication No. US20040121322A9
; GENERAL INFORMATION:
; APPLICANT: COLE, S.T.

```

;; TITLE OF INVENTION: COMPARATIVE MYCOBACTERIAL GENOMICS AS A TOOL FOR
;; TITLE OF INVENTION: IDENTIFYING TARGETS FOR THE DIAGNOSIS, PROPHYLAXIS OR
;; FILE REFERENCE: 03495.0218
;; CURRENT APPLICATION NUMBER: US/10/080,170
;; PRIOR FILING DATE: 2002-06-10
;; PRIOR APPLICATION NUMBER: 60/270,123
;; PRIOR FILING DATE: 2001-02-22
;; NUMBER OF SEQ ID NOS: 652
;; SOFTWARE: Patentin Ver. 2.1
;; SEQ ID NO 648
;; LENGTH: 86114
;; TYPE: DNA
;; ORGANISM: Mycobacterium tuberculosis
US-10-080-170-648

Query Match 78.9%; Score 41.8; DB 7; Length 86114;
Best Local Similarity 95.6%; Pred. No. 2.2e-05;
Matches 43; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1 ATGACCTGGCGCCGACGATGCGAGCGGTAGCGATGAGAGAG 45
Db 67175 ATGACCTGGCGCCGACGATGCGAGCGGTAGCGATGAGGTGGG 67219

RESULT 7
US-10-468-356-648
;; Sequence 648, Application US/10468356
;; Publication No. US20040197896A1
;; GENERAL INFORMATION:
;; APPLICANT: COLE, STEWART
;; TITLE OF INVENTION: COMPARATIVE MYCOBACTERIAL GENOMICS AS A TOOL FOR
;; TITLE OF INVENTION: IDENTIFYING TARGETS FOR THE DIAGNOSIS, PROPHYLAXIS OR
;; FILE REFERENCE: 05394.0019
;; CURRENT APPLICATION NUMBER: US/10/468,356
;; PRIOR FILING DATE: 2003-08-19
;; PRIOR APPLICATION NUMBER: 10/080,170
;; PRIOR FILING DATE: 2002-02-22
;; PRIOR APPLICATION NUMBER: 60/270,123
;; PRIOR FILING DATE: 2001-02-22
;; NUMBER OF SEQ ID NOS: 655
;; SOFTWARE: Patentin Ver. 3.2
;; SEQ ID NO 648
;; LENGTH: 86114
;; TYPE: DNA
;; ORGANISM: Mycobacterium tuberculosis
US-10-468-356-648

Query Match 78.9%; Score 41.8; DB 8; Length 86114;
Best Local Similarity 95.6%; Pred. No. 2.2e-05;
Matches 43; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1 ATGACCTGGCGCCGACGATGCGAGCGGTAGCGATGAGAGAG 45
Db 67175 ATGACCTGGCGCCGACGATGCGAGCGGTAGCGATGAGGTGGG 67219

RESULT 8
US-09-791-171-71
;; Sequence 71, Application US/09791171
;; Patent No. US20020094336A1
;; GENERAL INFORMATION:
;; APPLICANT: ANDERSEN, Peter
;; APPLICANT: NIELSEN, Rikke
;; APPLICANT: OETTINGER, Thomas
;; APPLICANT: RASMUSSEN, Peter Birk
;; APPLICANT: ROSENKRANDS, Ida
;; APPLICANT: WEIDINGH, Karin
;; APPLICANT: FLORIO, Walter
;; TITLE OF INVENTION: NUCLEIC ACIDS FRAGMENTS AND POLYPEPTIDE FRAGMENTS
;; TITLE OF INVENTION: DERIVED FROM M. TUBERCULOSIS
;; FILE REFERENCE: 670001-2002.1

;; CURRENT APPLICATION NUMBER: US/09/791,171
;; CURRENT FILING DATE: 2001-02-20
;; PRIOR APPLICATION NUMBER: 09/050,739
;; PRIOR FILING DATE: 1998-03-30
;; PRIOR APPLICATION NUMBER: 0376/97
;; PRIOR FILING DATE: 1997-04-02
;; PRIOR APPLICATION NUMBER: 1277/97
;; PRIOR FILING DATE: 1997-11-10
;; PRIOR APPLICATION NUMBER: 60/044,624
;; PRIOR FILING DATE: 1997-04-18
;; PRIOR APPLICATION NUMBER: 60/070,488
;; PRIOR FILING DATE: 1998-01-05
;; NUMBER OF SEQ ID NOS: 173
;; SOFTWARE: Patentin Ver. 2.0
;; SEQ ID NO 71
;; LENGTH: 1890
;; TYPE: DNA
;; ORGANISM: Mycobacterium tuberculosis
US-09-791-171-71

Query Match 75.1%; Score 39.8; DB 3; Length 1890;
Best Local Similarity 86.3%; Pred. No. 0.00014;
Matches 44; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

Qy 1 ATGACCTGGCGCCGACGATGCGAGCGGTAGCGATGAGAGAGTGGCGC 51
Db 26 ACGGCCCGCGCCGCGGACGATGCAAGCCGACGATGAGAGAGCGCGC 76

RESULT 9
US-09-804-980-71
;; Sequence 71, Application US/09804980
;; Publication No. US20030147897A1
;; GENERAL INFORMATION:
;; APPLICANT: Statens Serum Institut
;; APPLICANT: Anderson, Peter
;; TITLE OF INVENTION: M. Tuberculosis Antigens
;; FILE REFERENCE: 670001-2002.4
;; CURRENT APPLICATION NUMBER: US/09/804,980
;; PRIOR FILING DATE: 2001-03-12
;; NUMBER OF SEQ ID NOS: 257
;; SOFTWARE: Patentin version 3.0
;; SEQ ID NO 71
;; LENGTH: 1890
;; TYPE: DNA
;; ORGANISM: Mycobacterium tuberculosis
US-09-804-980-71

Query Match 75.1%; Score 39.8; DB 3; Length 1890;
Best Local Similarity 86.3%; Pred. No. 0.00014;
Matches 44; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

Qy 1 ATGACCTGGCGCCGACGATGCGAGCGGTAGCGATGAGAGAGTGGCGC 51
Db 26 ACGGCCCGCGCCGCGGACGATGCAAGCCGACGATGAGAGAGCGCGC 76

RESULT 10
US-10-620-246-71
;; Sequence 71, Application US/10620246
;; Publication No. US20040115211A1
;; GENERAL INFORMATION:
;; APPLICANT: ANDERSEN, Peter
;; APPLICANT: NIELSEN, Rikke
;; APPLICANT: OETTINGER, Thomas
;; APPLICANT: RASMUSSEN, Peter Birk
;; APPLICANT: ROSENKRANDS, Ida
;; APPLICANT: WEIDINGH, Karin
;; APPLICANT: FLORIO, Walter
;; TITLE OF INVENTION: NUCLEIC ACIDS FRAGMENTS AND POLYPEPTIDE FRAGMENTS
;; TITLE OF INVENTION: DERIVED FROM M. TUBERCULOSIS
;; FILE REFERENCE: 670001-2002.1A
;; CURRENT APPLICATION NUMBER: US/10/620,246

CURRENT FILING DATE: 2003-07-15
PRIOR APPLICATION NUMBER: 09/050,739
PRIOR FILING DATE: 1998-03-30
PRIOR APPLICATION NUMBER: 0376/97
PRIOR FILING DATE: 1997-04-02
PRIOR APPLICATION NUMBER: 1277/97
PRIOR FILING DATE: 1997-11-10
PRIOR APPLICATION NUMBER: 60/044,624
PRIOR FILING DATE: 1997-04-18
PRIOR APPLICATION NUMBER: 60/070,488
PRIOR FILING DATE: 1998-01-05
PRIOR APPLICATION NUMBER: 10/138,473
PRIOR FILING DATE: 2002-05-02
PRIOR APPLICATION NUMBER: 09/791,171
PRIOR FILING DATE: 2001-02-20
PRIOR APPLICATION NUMBER: 09/415,884
PRIOR FILING DATE: 1999-10-08
PRIOR APPLICATION NUMBER: 60/116,673
PRIOR FILING DATE: 1999-01-21
PRIOR APPLICATION NUMBER: 1281/98
PRIOR FILING DATE: 1998-10-08
NUMBER OF SEQ ID NOS: 173
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 71
LENGTH: 1890
TYPE: DNA
ORGANISM: Mycobacterium tuberculosis
US-10-620-246-71

Query Match 75.1%; Score 39.8; DB 7; Length 1890;
Best Local Similarity 86.3%; Pred. No. 0.00014;
Matches 44; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

Qy 1 ATGACCTGCGCCGACGATGACGAGCGTAGCGATGAGGAGGAGCGCCG 51
Db 26 ACGCGCCGCGCCGCGGCGATGCGAAGCGGAGCGATGAGGAGGAGCGCGCCG 76

RESULT 11
US-10-193-002-271/c
Sequence 271, Application US/10193002
Publication No. US20030135026A1
GENERAL INFORMATION:
APPLICANT: Reed, Steven G.
Skeiky, Yasir A.W.
Dillon, David C.
Campos-Neco, Antonio
Houghton, Raymond
Vedvick, Thomas S.
Twardzik, Daniel R.
Lodes, Michael J.
Hendrickson, Ronald C.
TITLE OF INVENTION: COMPOUNDS AND METHODS FOR DIAGNOSIS OF
TUBERCULOSIS
NUMBER OF SEQUENCES: 350
CORRESPONDENCE ADDRESS:
ADDRESSEE: SEED and BERRY LLP
STREET: 6300 Columbia Center, 701 Fifth Avenue
City: Seattle
STATE: Washington
COUNTRY: USA
ZIP: 98104-7092
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/193,002
FILING DATE: 10-Jul-2002
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/09/072,596

FILING DATE: 05-MAY-1998
ATTORNEY/AGENT INFORMATION:
NAME: Makl, David J.
REGISTRATION NUMBER: 31,392
REFERENCE/DOCKET NUMBER: 210121.417C9
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 622-4900
TELEFAX: (206) 682-6031
INFORMATION FOR SEQ ID NO: 271:
SEQUENCE CHARACTERISTICS:
LENGTH: 571 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
SEQUENCE DESCRIPTION: SEQ ID NO: 271:
US-10-193-002-271

Query Match 70.9%; Score 37.6; DB 6; Length 571;
Best Local Similarity 82.7%; Pred. No. 0.00089;
Matches 43; Conservative 0; Mismatches 9; Indels 0; Gaps 0;

Qy 2 TGACCTGCGCCGACGATGACGAGCGTAGCGATGAGGAGGAGCGCGCTG 53
Db 60 TGATCCGCGCGCGCGGCGATGCGAAGCGGAGCGATGAGGAGGAGCGCGCGCG 9

RESULT 12
US-10-084-843-276/c
Sequence 276, Application US/10084843
Publication No. US20030143243A1
GENERAL INFORMATION:
APPLICANT: Reed, Steven G.
Skeiky, Yasir A.W.
Dillon, David C.
Campos-Neco, Antonio
Houghton, Raymond
Vedvick, Thomas S.
Twardzik, Daniel R.
Lodes, Michael J.
Hendrickson, Ronald C.
TITLE OF INVENTION: COMPOUNDS AND METHODS FOR IMMUNOTHERAPY
AND DIAGNOSIS OF TUBERCULOSIS
NUMBER OF SEQUENCES: 355
CORRESPONDENCE ADDRESS:
ADDRESSEE: SEED and BERRY LLP
STREET: 6300 Columbia Center, 701 Fifth Avenue
City: Seattle
STATE: Washington
COUNTRY: USA
ZIP: 98104-7092
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/084,843
FILING DATE: 25-Feb-2002
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/09/072,967
FILING DATE: 05-MAY-1998
ATTORNEY/AGENT INFORMATION:
NAME: Makl, David J.
REGISTRATION NUMBER: 31,392
REFERENCE/DOCKET NUMBER: 210121.411C9
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 622-4900
TELEFAX: (206) 682-6031
INFORMATION FOR SEQ ID NO: 276:
SEQUENCE CHARACTERISTICS:
LENGTH: 571 base pairs

TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
SEQUENCE DESCRIPTION: SEQ ID NO: 276
US-10-084-843-276

Query Match 70.9%; Score 37.6; DB 6; Length 571;
Best Local Similarity 82.7%; Pred. No. 0.00089;
Matches 43; Conservative 0; Mismatches 9; Indels 0; Gaps 0;

Qy 2 TGACCTGCGCGGACGATGACGAGCGTACGATGAGAGAGTGGCGCTG 53
Db 60 TGATCCGCGCGGCGGACGATGACGAGCGGCGGCGGCGGCGGCGG 9

RESULT 13
US-11-028-898-276/c
Sequence 276, Application US/11028898
Publication No. US20050136069A1

GENERAL INFORMATION:

APPLICANT: Reed, Steven G.
Skeiky, Yasir A.W.
Dillon, Davin C.
Campes-Neto, Antonio
Houghton, Raymond
Vedvick, Thomas S.
Twardzik, Daniel R.
Lodes, Michael J.
Hendrickson, Ronald C.

TITLE OF INVENTION: COMPOUNDS AND METHODS FOR IMMUNOTHERAPY
AND DIAGNOSIS OF TUBERCULOSIS

NUMBER OF SEQUENCES: 355
CORRESPONDENCE ADDRESS:

ADDRESSEE: SEED and BERRY LLP
STREET: 6300 Columbia Center, 701 Fifth Avenue
CITY: Seattle
STATE: Washington
COUNTRY: USA
ZIP: 98104-7092

COMPUTER READABLE FORM:

MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patent Release #1.0, Version #1.30
CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/11/028,898
FILING DATE: 03-Jan-2005
CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US/10/084,843
FILING DATE: 03-Jan-2005

APPLICATION NUMBER: US/09/072,967
FILING DATE: 05-MAY-1998

ATTORNEY/AGENT INFORMATION:

NAME: Maki, David J.
REGISTRATION NUMBER: 31,392
REFERENCE/DOCKET NUMBER: 210121.411C9

TELECOMMUNICATION INFORMATION:

TELEPHONE: (206) 622-4900
TELEFAX: (206) 682-6031

INFORMATION FOR SEQ ID NO: 276:

SEQUENCE CHARACTERISTICS:

LENGTH: 571 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
SEQUENCE DESCRIPTION: SEQ ID NO: 276:

US-11-028-898-276

Query Match 70.9%; Score 37.6; DB 10; Length 571;
Best Local Similarity 82.7%; Pred. No. 0.00089;

Matches 43; Conservative 0; Mismatches 9; Indels 0; Gaps 0;
Qy 2 TGACCTGCGCGGACGATGACGAGCGTACGATGAGAGAGTGGCGCTG 53
Db 60 TGATCCGCGCGGCGGACGATGACGAGCGGCGGCGGCGGCGGCGG 9

RESULT 14
US-11-082-005-271/c
Sequence 271, Application US/11082005
Publication No. US20050181419A1

GENERAL INFORMATION:

APPLICANT: Reed, Steven G.
Skeiky, Yasir A.W.
Dillon, Davin C.
Campes-Neto, Antonio
Houghton, Raymond
Vedvick, Thomas S.
Twardzik, Daniel R.
Lodes, Michael J.
Hendrickson, Ronald C.

TITLE OF INVENTION: COMPOUNDS AND METHODS FOR DIAGNOSIS OF
TUBERCULOSIS

NUMBER OF SEQUENCES: 350
CORRESPONDENCE ADDRESS:

ADDRESSEE: SEED and BERRY LLP
STREET: 6300 Columbia Center, 701 Fifth Avenue
CITY: Seattle
STATE: Washington
COUNTRY: USA
ZIP: 98104-7092

COMPUTER READABLE FORM:

MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patent Release #1.0, Version #1.30
CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/11/082,005
FILING DATE: 15-Mar-2005
CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US/10/193,002
FILING DATE: 10-Jul-2002

APPLICATION NUMBER: US/09/072,596
FILING DATE: 05-MAY-1998

ATTORNEY/AGENT INFORMATION:

NAME: Maki, David J.
REGISTRATION NUMBER: 31,392
REFERENCE/DOCKET NUMBER: 210121.417C9

TELECOMMUNICATION INFORMATION:

TELEPHONE: (206) 622-4900
TELEFAX: (206) 682-6031

INFORMATION FOR SEQ ID NO: 271:

SEQUENCE CHARACTERISTICS:

LENGTH: 571 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
SEQUENCE DESCRIPTION: SEQ ID NO: 271:

US-11-082-005-271

Query Match 70.9%; Score 37.6; DB 10; Length 571;
Best Local Similarity 82.7%; Pred. No. 0.00089;
Matches 43; Conservative 0; Mismatches 9; Indels 0; Gaps 0;

Qy 2 TGACCTGCGCGGACGATGACGAGCGTACGATGAGAGAGTGGCGCTG 53
Db 60 TGATCCGCGCGGCGGACGATGACGAGCGGCGGCGGCGGCGGCGG 9

RESULT 15
US-10-259-678-526/c

; Sequence 526, Application US/10259678
; Publication No. US20030198974A1
; GENERAL INFORMATION:
; APPLICANT: Cole, Stewart
; APPLICANT: Buchrieser-Brosch, Roland
; APPLICANT: Gordon, Stephen
; APPLICANT: Billault, Alain
; TITLE OF INVENTION: METHOD FOR ISOLATING A POLYNUCLEOTIDE OF INTEREST FROM
; TITLE OF INVENTION: THE GENOME OF A MYCOBACTERIUM USING A BAC-BASED DNA
; FILE REFERENCE: 3495-0169
; CURRENT APPLICATION NUMBER: US/10/259,678
; CURRENT FILING DATE: 2002-09-30
; PRIOR APPLICATION NUMBER: US/09/060,756
; PRIOR FILING DATE: 1998-04-16
; NUMBER OF SEQ ID NOS: 743
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 526
; LENGTH: 173
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
; US-10-259-678-526

Query Match 69.1%; Score 36.6; DB 6; Length 173;
Best Local Similarity 90.7%; Pred. No. 0.0022;
Matches 39; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 9 CGCCGACGACGATGCGAGCGTAGCGATGAGAGAGAGTGGCGC 51
DB 76 CGCCGCGGACGATGCGAGCGCGACGATGAGAGAGAGCGGCGC 34

Search completed: January 11, 2006, 21:19:34
Job time : 424.592 secs

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OM nucleic - nucleic search, using sw model

Run on: January 11, 2006, 18:32:43 : Search time 223.008 Seconds
(without alignments)
192.350 Million cell updates/sec

Title: US-10-086-206A-2

Perfect score: 53

Sequence: 1 atgacctgctgcgcagcagca.....gatcagagagagtcgctg 53

Scoring table: IDENTITY_NUC

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Total number of hits satisfying chosen parameters: 12077628

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Listing first 45 summaries

Database :

Published Applications NA New:*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	36.6	69.1	173	US-10-802-796-526	Sequence 526, App
2	36.6	69.1	234	US-10-802-796-597	Sequence 597, App
3	36.6	69.1	241	US-10-802-796-586	Sequence 586, App
4	36.6	69.1	376	US-10-802-796-635	Sequence 635, App
5	36.6	69.1	406	US-10-802-796-521	Sequence 521, App
6	33.4	63.0	374	US-10-802-796-567	Sequence 567, App
7	31.4	59.2	448	US-10-802-796-60	Sequence 60, App1
8	29.8	56.2	217	US-10-802-796-266	Sequence 266, App
9	24.4	46.0	6594	US-11-075-185-38	Sequence 38, App1
10	24.4	46.0	78869	US-11-075-185-1	Sequence 1, App1
11	24.4	45.7	2396	US-10-821-234-315	Sequence 315, App
12	23.8	44.9	5595	US-10-955-054A-11	Sequence 11, App1
13	23.4	44.2	810	US-10-467-657-7099	Sequence 7099, App
14	23.4	44.2	888	US-10-467-657-4293	Sequence 4293, App
15	23	43.4	201	US-11-124-368A-15090	Sequence 15090, A
16	23	43.4	1134	US-10-467-657-5321	Sequence 5321, App
17	22.6	42.6	1353	US-10-750-185-49463	Sequence 49463, A
18	22.6	42.6	1353	US-10-750-185-49463	Sequence 49463, A
19	22.6	42.6	5066	US-10-909-125-833	Sequence 833, App
20	22.6	42.6	5246	US-10-909-125-804	Sequence 804, App
21	22.4	42.3	3178	US-11-136-527-508	Sequence 508, App
22	22.4	42.3	4965	US-10-947-249-165	Sequence 165, App
23	22.4	42.3	73404	US-11-124-368A-2914	Sequence 2914, App

24	22.2	41.9	37507	US-10-522-037-2	Sequence 2, App1
25	22	41.5	1134	US-10-821-234-584	Sequence 584, App
26	22	41.5	1574	US-10-750-185-33387	Sequence 33387, A
27	22	41.5	1574	US-10-750-623-33387	Sequence 33387, A
28	21.8	41.1	1936	US-11-166-993-146	Sequence 146, App
29	21.6	40.8	647	US-10-816-768-99	Sequence 99, App1
30	21.6	40.8	1337	US-10-750-185-53564	Sequence 53564, A
31	21.6	40.8	1337	US-10-750-623-53564	Sequence 53564, A
32	21.6	40.8	1388	US-10-883-512-130	Sequence 130, App
33	21.6	40.8	4510	US-11-136-527-1828	Sequence 1828, App
34	21.6	40.8	37500	US-10-522-037-1	Sequence 1, App1
35	21.6	40.8	142605	US-11-121-086-64	Sequence 64, App1
36	21.6	40.8	169725	US-11-121-086-63	Sequence 63, App1
37	21.2	40.0	395	US-11-136-527-3938	Sequence 3938, App
38	21.2	40.0	395	US-11-136-527-8034	Sequence 8034, App
39	21	39.6	201	US-10-995-561-39940	Sequence 39940, A
40	21	39.6	1197	US-11-128-061-831	Sequence 831, App
41	21	39.6	1230	US-11-143-401-114	Sequence 114, App
42	21	39.6	1400	US-11-128-061-4537	Sequence 4537, App
43	21	39.6	1816	US-10-454-437-67	Sequence 67, App1
44	21	39.6	1875	US-10-454-437-65	Sequence 65, App1
45	21	39.6	4212	US-10-750-185-42579	Sequence 42579, A

ALIGNMENTS

RESULT 1
US-10-802-796-526/c
; Sequence 526, Application US/10802796
; Publication No. US20050250104A1
; GENERAL INFORMATION:
; APPLICANT: COLE, STEWART
; APPLICANT: BUCHRIEISER-BROSCH, ROLAND
; APPLICANT: GORDON, STEPHEN
; APPLICANT: BILLAULT, ALAIN
; TITLE OF INVENTION: A METHOD FOR ISOLATING A POLYNUCLEOTIDE OF INTEREST
; TITLE OF INVENTION: FROM THE GENOME OF A MYCOBACTERIUM USING A BAC-BASED
; TITLE OF INVENTION: DNA LIBRARY. APPLICATION TO THE DETECTION OF
; TITLE OF INVENTION: MYCOBACTERIA.
; FILE REFERENCE: 05394.0011-00000
; CURRENT APPLICATION NUMBER: US/10/802, 796
; CURRENT FILING DATE: 2004-03-18
; PRIOR APPLICATION NUMBER: US/09/673, 476
; PRIOR FILING DATE: 2002-03-29
; PRIOR APPLICATION NUMBER: PCT/IB99/00740
; PRIOR FILING DATE: 1999-04-16
; PRIOR APPLICATION NUMBER: 09/060, 756
; PRIOR FILING DATE: 1998-04-16
; NUMBER OF SEQ ID NOS: 743
; SOFTWARE: PatentIn Ver. 2.2
; SEQ ID NO 526
; LENGTH: 173
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
US-10-802-796-526
Query Match 69.1%; Score 36.6; DB 6; Length 173;
Best Local Similarity 90.7%; Pred. No. 0.0018;
Matches 39; Conservative 0; Mismatches 4; Indels 0; Gaps 0;
QY 9 CGCCGACGACGATGCGATGCGATGAGGAGGAGTGGCC 51
DB 76 CGCCGACGACGATGCGATGCGATGAGGAGGAGGAGGCGC 34
RESULT 2
US-10-802-796-597/c
; Sequence 597, Application US/10802796
; Publication No. US20050250104A1
; GENERAL INFORMATION:
; APPLICANT: COLE, STEWART
; APPLICANT: BUCHRIEISER-BROSCH, ROLAND

```

; APPLICANT: GORDON, STEPHEN
; APPLICANT: BILLAULT, ALAIN
; TITLE OF INVENTION: A METHOD FOR ISOLATING A POLYNUCLEOTIDE OF INTEREST
; TITLE OF INVENTION: FROM THE GENOME OF A MYCOBACTERIUM USING A BAC-BASED
; TITLE OF INVENTION: DNA LIBRARY. APPLICATION TO THE DETECTION OF
; TITLE OF INVENTION: MYCOBACTERIA.
; FILE REFERENCE: 05394.0011-00000
; CURRENT APPLICATION NUMBER: US/10/802,796
; CURRENT FILING DATE: 2004-03-18
; PRIOR APPLICATION NUMBER: US/09/673,476
; PRIOR FILING DATE: 2002-03-29
; PRIOR APPLICATION NUMBER: PCT/IB99/00740
; PRIOR FILING DATE: 1999-04-16
; PRIOR APPLICATION NUMBER: 09/060,756
; PRIOR FILING DATE: 1998-04-16
; NUMBER OF SEQ ID NOS: 743
; SOFTWARE: PatentIn Ver. 2.2
; SEQ ID NO 597
; LENGTH: 234
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
US-10-802-796-597
```

```

Query Match          69.1%; Score 36.6; DB 6; Length 234;
Best Local Similarity 90.7%; Pred. No. 0.0018;
Matches 39; Conservative 0; Mismatches 4; Indels 0; Gaps 0;
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QY      9 CGCCGACGACGATGCAGAGCGTAGCGATGAGAGGAGTGGCGC 51
Db      84 CGCCGCGGACGATGCCGAGCGCAGCGCATGATGAGAGAGCGGCGC 42
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```

RESULT 3
US-10-802-796-586/c
; Sequence 586, Application US/10802796
; Publication No. US20050250104A1
; GENERAL INFORMATION:
; APPLICANT: COLE, STEWART
; APPLICANT: BUCHRIESER-BROSCH, ROLAND
; APPLICANT: GORDON, STEPHEN
; APPLICANT: BILLAULT, ALAIN
; TITLE OF INVENTION: A METHOD FOR ISOLATING A POLYNUCLEOTIDE OF INTEREST
; TITLE OF INVENTION: FROM THE GENOME OF A MYCOBACTERIUM USING A BAC-BASED
; TITLE OF INVENTION: DNA LIBRARY. APPLICATION TO THE DETECTION OF
; FILE REFERENCE: 05394.0011-00000
; CURRENT APPLICATION NUMBER: US/10/802,796
; CURRENT FILING DATE: 2004-03-18
; PRIOR APPLICATION NUMBER: US/09/673,476
; PRIOR FILING DATE: 2002-03-29
; PRIOR APPLICATION NUMBER: PCT/IB99/00740
; PRIOR FILING DATE: 1999-04-16
; PRIOR APPLICATION NUMBER: 09/060,756
; PRIOR FILING DATE: 1998-04-16
; NUMBER OF SEQ ID NOS: 743
; SOFTWARE: PatentIn Ver. 2.2
; SEQ ID NO 586
; LENGTH: 241
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
US-10-802-796-586
```

```

Query Match          69.1%; Score 36.6; DB 6; Length 241;
Best Local Similarity 90.7%; Pred. No. 0.0018;
Matches 39; Conservative 0; Mismatches 4; Indels 0; Gaps 0;
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QY      9 CGCCGACGACGATGCAGAGCGTAGCGATGAGAGGAGTGGCGC 51
Db      64 CGCCGCGGACGATGCCGAGCGCAGCGATGAGAGAGCGGCGC 22
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RESULT 4
US-10-802-796-635/c
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```

; Sequence 635, Application US/10802796
; Publication No. US20050250104A1
; GENERAL INFORMATION:
; APPLICANT: COLE, STEWART
; APPLICANT: BUCHRIESER-BROSCH, ROLAND
; APPLICANT: GORDON, STEPHEN
; APPLICANT: BILLAULT, ALAIN
; TITLE OF INVENTION: A METHOD FOR ISOLATING A POLYNUCLEOTIDE OF INTEREST
; TITLE OF INVENTION: FROM THE GENOME OF A MYCOBACTERIUM USING A BAC-BASED
; TITLE OF INVENTION: DNA LIBRARY. APPLICATION TO THE DETECTION OF
; FILE REFERENCE: 05394.0011-00000
; CURRENT APPLICATION NUMBER: US/10/802,796
; CURRENT FILING DATE: 2004-03-18
; PRIOR APPLICATION NUMBER: US/09/673,476
; PRIOR FILING DATE: 2002-03-29
; PRIOR APPLICATION NUMBER: PCT/IB99/00740
; PRIOR FILING DATE: 1999-04-16
; PRIOR APPLICATION NUMBER: 09/060,756
; PRIOR FILING DATE: 1998-04-16
; NUMBER OF SEQ ID NOS: 743
; SOFTWARE: PatentIn Ver. 2.2
; SEQ ID NO 635
; LENGTH: 376
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
US-10-802-796-635
```

```

Query Match          69.1%; Score 36.6; DB 6; Length 376;
Best Local Similarity 90.7%; Pred. No. 0.0018;
Matches 39; Conservative 0; Mismatches 4; Indels 0; Gaps 0;
```

```

QY      9 CGCCGACGACGATGCAGAGCGTAGCGATGAGAGGAGTGGCGC 51
Db      87 CGCCGCGGACGATGCCGAGCGCAGCGCATGATGAGAGAGCGGCGC 45
```

```

RESULT 5
US-10-802-796-521/c
; Sequence 521, Application US/10802796
; Publication No. US20050250104A1
; GENERAL INFORMATION:
; APPLICANT: COLE, STEWART
; APPLICANT: BUCHRIESER-BROSCH, ROLAND
; APPLICANT: GORDON, STEPHEN
; APPLICANT: BILLAULT, ALAIN
; TITLE OF INVENTION: A METHOD FOR ISOLATING A POLYNUCLEOTIDE OF INTEREST
; TITLE OF INVENTION: FROM THE GENOME OF A MYCOBACTERIUM USING A BAC-BASED
; TITLE OF INVENTION: DNA LIBRARY. APPLICATION TO THE DETECTION OF
; FILE REFERENCE: 05394.0011-00000
; CURRENT APPLICATION NUMBER: US/10/802,796
; CURRENT FILING DATE: 2004-03-18
; PRIOR APPLICATION NUMBER: US/09/673,476
; PRIOR FILING DATE: 2002-03-29
; PRIOR APPLICATION NUMBER: PCT/IB99/00740
; PRIOR FILING DATE: 1999-04-16
; PRIOR APPLICATION NUMBER: 09/060,756
; PRIOR FILING DATE: 1998-04-16
; NUMBER OF SEQ ID NOS: 743
; SOFTWARE: PatentIn Ver. 2.2
; SEQ ID NO 521
; LENGTH: 406
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
US-10-802-796-521
```

```

Query Match          69.1%; Score 36.6; DB 6; Length 406;
Best Local Similarity 90.7%; Pred. No. 0.0018;
Matches 39; Conservative 0; Mismatches 4; Indels 0; Gaps 0;
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```

QY      9 CGCCGACGACGATGCAGAGCGTAGCGATGAGAGGAGTGGCGC 51
```


DB 59 CGCCGCGAGATGCCGAGCGAGATGAGAGAGCGCGC 17

RESULT 6

US-10-802-796-567
 ; Sequence 567, Application US/10802796
 ; Publication No. US20050250104A1
 ; GENERAL INFORMATION:
 ; APPLICANT: COLE, STEWART
 ; APPLICANT: BUCHRIESER-BROSCH, ROLAND
 ; APPLICANT: GORDON, STEPHEN
 ; APPLICANT: BILLAULT, ALAIN
 ; TITLE OF INVENTION: A METHOD FOR ISOLATING A POLYNUCLEOTIDE OF INTEREST
 ; TITLE OF INVENTION: FROM THE GENOME OF A MYCOBACTERIUM USING A BAC-BASED
 ; TITLE OF INVENTION: DNA LIBRARY, APPLICATION TO THE DETECTION OF
 ; TITLE OF INVENTION: MYCOBACTERIA.
 ; FILE REFERENCE: 05394.0011-00000
 ; CURRENT APPLICATION NUMBER: US/10/802,796
 ; PRIOR FILING DATE: 2004-03-18
 ; PRIOR APPLICATION NUMBER: US/09/673,476
 ; PRIOR FILING DATE: 2002-03-29
 ; PRIOR APPLICATION NUMBER: PCT/IB99/00740
 ; PRIOR FILING DATE: 1999-04-16
 ; PRIOR APPLICATION NUMBER: 09/060,756
 ; PRIOR FILING DATE: 1998-04-16
 ; NUMBER OF SEQ ID NOS: 743
 ; SOFTWARE: PatentIn Ver. 2.2
 ; SEQ ID NO 567
 ; LENGTH: 374
 ; TYPE: DNA
 ; ORGANISM: Mycobacterium tuberculosis
 ; FEATURE:
 ; NAME/KEY: modified_base
 ; LOCATION: (13)
 ; OTHER INFORMATION: a, t, c or g
 ; FEATURE:
 ; NAME/KEY: modified_base
 ; LOCATION: (15)
 ; OTHER INFORMATION: a, t, c or g
 ; FEATURE:
 ; NAME/KEY: modified_base
 ; LOCATION: (20)
 ; OTHER INFORMATION: a, t, c or g
 ; FEATURE:
 ; NAME/KEY: modified_base
 ; LOCATION: (23)
 ; OTHER INFORMATION: a, t, c or g
 ; FEATURE:
 ; NAME/KEY: modified_base
 ; LOCATION: (205)
 ; OTHER INFORMATION: a, t, c or g
 ; FEATURE:
 ; NAME/KEY: modified_base
 ; LOCATION: (262)
 ; OTHER INFORMATION: a, t, c or g
 ; FEATURE:
 ; NAME/KEY: modified_base
 ; LOCATION: (268)
 ; OTHER INFORMATION: a, t, c or g
 ; FEATURE:
 ; NAME/KEY: modified_base
 ; LOCATION: (275)
 ; OTHER INFORMATION: a, t, c or g
 ; FEATURE:
 ; NAME/KEY: modified_base
 ; LOCATION: (327)
 ; OTHER INFORMATION: a, t, c or g
 ; US-10-802-796-567

Query Match 63.0%; Score 33.4; DB 6; Length 374;
 Best Local Similarity 80.4%; Pred. No. 0.02;
 Matches 37; Conservative 0; Mismatches 9; Indels 0; Gaps 0;

QY 8 CGCCGCGAGATGCCGAGCGTGTAGGATGAGAGAGTGGCGC 53
 DB 251 GCGCCGCGAGATGCCGAGCGTGTAGGATGAGAGAGTGGCGC 296

RESULT 7

US-10-802-796-60/c
 ; Sequence 60, Application US/10802796
 ; Publication No. US20050250104A1
 ; GENERAL INFORMATION:
 ; APPLICANT: COLE, STEWART
 ; APPLICANT: BUCHRIESER-BROSCH, ROLAND
 ; APPLICANT: GORDON, STEPHEN
 ; APPLICANT: BILLAULT, ALAIN
 ; TITLE OF INVENTION: A METHOD FOR ISOLATING A POLYNUCLEOTIDE OF INTEREST
 ; TITLE OF INVENTION: FROM THE GENOME OF A MYCOBACTERIUM USING A BAC-BASED
 ; TITLE OF INVENTION: DNA LIBRARY, APPLICATION TO THE DETECTION OF
 ; TITLE OF INVENTION: MYCOBACTERIA.
 ; FILE REFERENCE: 05394.0011-00000
 ; CURRENT APPLICATION NUMBER: US/10/802,796
 ; PRIOR FILING DATE: 2004-03-18
 ; PRIOR APPLICATION NUMBER: US/09/673,476
 ; PRIOR FILING DATE: 2002-03-29
 ; PRIOR APPLICATION NUMBER: PCT/IB99/00740
 ; PRIOR FILING DATE: 1999-04-16
 ; PRIOR APPLICATION NUMBER: 09/060,756
 ; PRIOR FILING DATE: 1998-04-16
 ; NUMBER OF SEQ ID NOS: 743
 ; SOFTWARE: PatentIn Ver. 2.2
 ; SEQ ID NO 60
 ; LENGTH: 448
 ; TYPE: DNA
 ; ORGANISM: Mycobacterium tuberculosis
 ; FEATURE:
 ; NAME/KEY: modified_base
 ; LOCATION: (154)..(155)
 ; OTHER INFORMATION: a, t, c or g
 ; FEATURE:
 ; NAME/KEY: modified_base
 ; LOCATION: (322)
 ; OTHER INFORMATION: a, t, c or g
 ; FEATURE:
 ; NAME/KEY: modified_base
 ; LOCATION: (334)
 ; OTHER INFORMATION: a, t, c or g
 ; FEATURE:
 ; NAME/KEY: modified_base
 ; LOCATION: (347)
 ; OTHER INFORMATION: a, t, c or g
 ; US-10-802-796-60

Query Match 59.2%; Score 31.4; DB 6; Length 448;
 Best Local Similarity 85.4%; Pred. No. 0.091;
 Matches 35; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

QY 11 CGGAGCGATGCCGAGCGTGTAGGATGAGAGAGTGGCGC 51
 DB 428 CGGAGCGATGCCGAGCGTGTAGGATGAGAGAGTGGCGC 388

RESULT 8

US-10-802-796-266/c
 ; Sequence 266, Application US/10802796
 ; Publication No. US20050250104A1
 ; GENERAL INFORMATION:
 ; APPLICANT: COLE, STEWART
 ; APPLICANT: BUCHRIESER-BROSCH, ROLAND
 ; APPLICANT: GORDON, STEPHEN
 ; APPLICANT: BILLAULT, ALAIN

```

; TITLE OF INVENTION: A METHOD FOR ISOLATING A POLYNUCLEOTIDE OF INTEREST
; TITLE OF INVENTION: FROM THE GENOME OF A MYCOBACTERIUM USING A BAC-BASED
; TITLE OF INVENTION: DNA LIBRARY. APPLICATION TO THE DETECTION OF
; TITLE OF INVENTION: MYCOBACTERIA.
; FILE REFERENCE: 05394.0011-00000
; CURRENT APPLICATION NUMBER: US/10/802,796
; PRIOR APPLICATION NUMBER: 2004-03-18
; PRIOR FILING DATE: 2002-03-29
; PRIOR APPLICATION NUMBER: PCT/IB99/00740
; PRIOR FILING DATE: 1999-04-16
; PRIOR APPLICATION NUMBER: 09/060,756
; PRIOR FILING DATE: 1998-04-16
; NUMBER OF SEQ ID NOS: 743
; SOFTWARE: PatentIn Ver. 2.2
; SEQ ID NO 266
; LENGTH: 217
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
; FEATURE:
; NAME/KEY: modified_base
; LOCATION: (139)..(140)
; OTHER INFORMATION: a, t, c or g
US-10-802-796-266

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```

Query Match      56.2%; Score 29.8; DB 6; Length 217;
Best Local Similarity 93.9%; Pred. No. 0.3;
Matches 31; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

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Qy      15 CGACGATGCGAGCGTAGCATGAGGAGAGTG 47
Db      36 CGACGATGCGAGCGGAGCATTAAGAGAGAGTG 4

```

```

RESULT 9
US-11-075-185-38/c
; Sequence 38, Application US/11075185
; Publication No. US20050266434A1
; GENERAL INFORMATION:
; APPLICANT: REEVES, CHRISTOPHER D
; APPLICANT: JULIEN, BRYAN
; APPLICANT: REID, RALPH
; TITLE OF INVENTION: BIOSYNTHETIC GENE CLUSTER FOR AMERUTICINS
; FILE REFERENCE: 010099.03
; CURRENT APPLICATION NUMBER: US/11/075,185
; CURRENT FILING DATE: 2005-03-07
; PRIOR APPLICATION NUMBER: US 60/551,103
; PRIOR FILING DATE: 2004-03-08
; PRIOR APPLICATION NUMBER: US 60/568,290
; PRIOR FILING DATE: 2004-05-04
; NUMBER OF SEQ ID NOS: 61
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 38
; LENGTH: 6594
; TYPE: DNA
; ORGANISM: Sorangium cellulosum
US-11-075-185-38

```

```

Query Match      46.0%; Score 24.4; DB 7; Length 6594;
Best Local Similarity 68.0%; Pred. No. 19;
Matches 34; Conservative 0; Mismatches 16; Indels 0; Gaps 0;

```

```

Qy      2 TGACCTGCGCGGCGAGCATGAGCGTAGCGATGAGGAGAGTGCGGC 51
Db      4343 TGCCCCCGCGCCTCGACGATGTGAGCGCTCGCGATTGGCGCGCGC 4294

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RESULT 10
US-11-075-185-1/c
; Sequence 1, Application US/11075185
; Publication No. US20050266434A1
; GENERAL INFORMATION:
; APPLICANT: REEVES, CHRISTOPHER D

```

```

; APPLICANT: JULIEN, BRYAN
; APPLICANT: REID, RALPH
; TITLE OF INVENTION: BIOSYNTHETIC GENE CLUSTER FOR AMERUTICINS
; FILE REFERENCE: 010099.03
; CURRENT APPLICATION NUMBER: US/11/075,185
; CURRENT FILING DATE: 2005-03-07
; PRIOR APPLICATION NUMBER: US 60/551,103
; PRIOR FILING DATE: 2004-03-08
; PRIOR APPLICATION NUMBER: US 60/568,290
; PRIOR FILING DATE: 2004-05-04
; NUMBER OF SEQ ID NOS: 61
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 1
; LENGTH: 78869
; TYPE: DNA
; ORGANISM: Sorangium cellulosum
US-11-075-185-1

```

```

Query Match      46.0%; Score 24.4; DB 7; Length 78869;
Best Local Similarity 68.0%; Pred. No. 20;
Matches 34; Conservative 0; Mismatches 16; Indels 0; Gaps 0;

```

```

Qy      2 TGACCTGCGCGGCGAGCATGAGCGTAGCGATGAGGAGAGTGCGGC 51
Db      46769 TGCCCCCGCGCCTCGACGATGTGAGCGCTCGCGATTGGCGCGCGC 46720

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RESULT 11
US-10-821-234-315
; Sequence 315, Application US/10821234
; Publication No. US20050255114A1
; GENERAL INFORMATION:
; APPLICANT: Labat, Ivan
; APPLICANT: Stache-Crain, Birgit
; APPLICANT: Andarmant, Susan
; APPLICANT: Tang, Y. Tom
; TITLE OF INVENTION: Methode for Diagnosis and Treatment of Preeclampsia
; FILE REFERENCE: 821A
; CURRENT APPLICATION NUMBER: US/10/821,234
; CURRENT FILING DATE: 2004-04-07
; PRIOR APPLICATION NUMBER: US 60/462,047
; PRIOR FILING DATE: 2003-04-07
; NUMBER OF SEQ ID NOS: 1704
; SOFTWARE: pt_seq_genes Version 1.0
; SEQ ID NO 315
; LENGTH: 2396
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-821-234-315

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```

Query Match      45.7%; Score 24.2; DB 6; Length 2396;
Best Local Similarity 71.1%; Pred. No. 22;
Matches 32; Conservative 0; Mismatches 13; Indels 0; Gaps 0;

```

```

Qy      1 ATGACCTGCGCGCGAGCATGCAAGCGTAGCGATGAGGAGAG 45
Db      813 AAGGCTTGCCTGAGGAGCGAGCGAGGAGAGAGAGAGAGAG 857

```

```

RESULT 12
US-10-955-054A-11
; Sequence 11, Application US/10955054A
; Publication No. US20050266420A1
; GENERAL INFORMATION:
; APPLICANT: PUSZTAI, LAJOS
; APPLICANT: SYMANS, W. FRASER
; APPLICANT: HESS, KENNETH R.
; APPLICANT: AYERS, MARK
; APPLICANT: STEC, JAMES
; TITLE OF INVENTION: MULTIGENE PREDICTORS OF RESPONSE TO CHEMOTHERAPY
; FILE REFERENCE: UTXC-880US
; CURRENT APPLICATION NUMBER: US/10/955,054A
; CURRENT FILING DATE: 2004-09-30

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NUMBER OF SEQ ID NOS: 195
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 11
LENGTH: 5595
TYPE: DNA
ORGANISM: Homo sapiens
US-10-955-054A-11

Query Match
Best Local Similarity 44.9%; Score 23.8; DB 6; Length 5595;
Pred. No. 30;
Matches 34; Conservative 0; Mismatches 17; Indels 0; Gaps 0;

Qy 2 TGACCTGCGCCGACGATGACGCGTAGCGATGAGAGAGTGGCGCT 52
Db 2857 TGACCTGCGCCGACGCGGCGGCGGTCTCTATGAGCGGACGACTGGCCT 2907

RESULT 13
US-10-467-657-7099/c
Sequence 7099, Application US/10467657
Publication No. US20050260581A1
GENERAL INFORMATION:
APPLICANT: CHIRON SPA
APPLICANT: FONTANA Maria Rita
APPLICANT: PIZZA Mariagrazia
APPLICANT: MASIGNANI Vega
APPLICANT: MONACI Elisabetta
TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS
FILE REFERENCE:
CURRENT APPLICATION NUMBER: US/10/467,657
CURRENT FILING DATE: 2003-08-11
PRIOR APPLICATION NUMBER: GB-0103424.8
PRIOR FILING DATE: 2001-02-12
NUMBER OF SEQ ID NOS: 9218
SOFTWARE: SeqWin99, version 1.04
SEQ ID NO 7099
LENGTH: 810
TYPE: DNA
ORGANISM: Neisseria gonorrhoeae
US-10-467-657-7099

Query Match
Best Local Similarity 44.2%; Score 23.4; DB 6; Length 810;
Pred. No. 39;
Matches 33; Conservative 0; Mismatches 16; Indels 0; Gaps 0;

Qy 4 ACCTGCGCCGACGACGATGACGCGTAGCGATGAGAGAGTGGCGCT 52
Db 743 ACCGCGCGCGGAAAGGGGTTGAGCGAAGCAATGAGCGCGCGCT 695

RESULT 14
US-10-467-657-4293
Sequence 4293, Application US/10467657
Publication No. US20050260581A1
GENERAL INFORMATION:
APPLICANT: CHIRON SPA
APPLICANT: FONTANA Maria Rita
APPLICANT: PIZZA Mariagrazia
APPLICANT: MASIGNANI Vega
APPLICANT: MONACI Elisabetta
TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS
FILE REFERENCE:
CURRENT APPLICATION NUMBER: US/10/467,657
CURRENT FILING DATE: 2003-08-11
PRIOR APPLICATION NUMBER: GB-0103424.8
PRIOR FILING DATE: 2001-02-12
NUMBER OF SEQ ID NOS: 9218
SOFTWARE: SeqWin99, version 1.04
SEQ ID NO 4293
LENGTH: 888
TYPE: DNA
ORGANISM: Neisseria gonorrhoeae
US-10-467-657-4293

Query Match
Best Local Similarity 44.2%; Score 23.4; DB 6; Length 888;
Pred. No. 39;
Matches 33; Conservative 0; Mismatches 16; Indels 0; Gaps 0;

Qy 4 ACCTGCGCCGACGACGATGACGCGTAGCGATGAGAGAGTGGCGCT 52
Db 68 ACCGCGCGCGGAAAGGGGTTGAGCGAAGCAATGAGCGCGCGCT 116

RESULT 15
US-11-124-368A-15090
Sequence 15090, Application US/11124368A
Publication No. US20050287559A1
GENERAL INFORMATION:
APPLICANT: Michele Cargill
APPLICANT: James J. Devlin
APPLICANT: May Luke
TITLE OF INVENTION: Genetic Polymorphisms Associated with
TITLE OF INVENTION: Vascular Diseases, Methods of Detection and Uses Thereof
FILE REFERENCE: CL001524
CURRENT APPLICATION NUMBER: US/11/124,368A
CURRENT FILING DATE: 2005-05-09
PRIOR APPLICATION NUMBER: US 60/568,845
PRIOR FILING DATE: 2004-05-07
PRIOR APPLICATION NUMBER: US 60/525,936
PRIOR FILING DATE: 2004-11-09
NUMBER OF SEQ ID NOS: 21112
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 15090
LENGTH: 201
TYPE: DNA
ORGANISM: Homo sapiens
US-11-124-368A-15090

Query Match
Best Local Similarity 43.4%; Score 23; DB 7; Length 201;
Pred. No. 51;
Matches 32; Conservative 0; Mismatches 15; Indels 0; Gaps 0;

Qy 4 ACCTGCGCCGACGACGATGACGCGTAGCGATGAGAGAGTGGCGG 50
Db 88 ACCTGACGATGCGCAGGCGAGCGATGAGGTGGGAGTGGCGGTG 134

Search completed: January 11, 2006, 21:28:54
Job time : 225.008 secs

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OM nucleic - nucleic search, using sw model

Run on: January 11, 2006, 18:37:01 : Search time 89.6949 Seconds
(without alignments)
416.175 Million cell updates/sec

Title: US-10-086-206A-2_COPY_31_51
Perfect score: 21
Sequence: 1 agcgatgagagagagcgcgc 21

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 1303057 seqs, 888780828 residues

Total number of hits satisfying chosen parameters: 2606114

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Database : Issued Patents NA:*

- 1: /cgn2_6/prodata/1/ina/1.COMB.seq:*
- 2: /cgn2_6/prodata/1/ina/5.COMB.seq:*
- 3: /cgn2_6/prodata/1/ina/6.COMB.seq:*
- 4: /cgn2_6/prodata/1/ina/5.COMB.seq:*
- 5: /cgn2_6/prodata/1/ina/6.COMB.seq:*
- 6: /cgn2_6/prodata/1/ina/PCUS.COMB.seq:*
- 7: /cgn2_6/prodata/1/ina/PP.COMB.seq:*
- 8: /cgn2_6/prodata/1/ina/RE.COMB.seq:*
- 9: /cgn2_6/prodata/1/ina/backfile1.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB	ID	Description
C 1	21	100.0	35961	3	US-08-311-731A-138	Sequence 138, App
C 2	21	100.0	38494	3	US-08-311-731A-24	Sequence 24, App1
C 3	21	100.0	4403765	3	US-09-103-840A-2	Sequence 1, App11
C 4	21	100.0	4411529	3	US-09-103-840A-1	Sequence 1, App11
C 5	19.4	92.4	173	3	US-09-060-756-526	Sequence 526, App
C 6	19.4	92.4	173	3	US-09-060-756-526	Sequence 526, App
C 7	19.4	92.4	234	3	US-09-060-756-597	Sequence 597, App
C 8	19.4	92.4	234	3	US-09-060-756-597	Sequence 597, App
C 9	19.4	92.4	241	3	US-09-060-756-586	Sequence 586, App
C 10	19.4	92.4	241	3	US-09-060-756-586	Sequence 586, App
C 11	19.4	92.4	263	3	US-09-060-756-635	Sequence 635, App1
C 12	19.4	92.4	263	3	US-09-060-756-635	Sequence 635, App
C 13	19.4	92.4	376	3	US-09-060-756-635	Sequence 635, App
C 14	19.4	92.4	406	3	US-09-060-756-521	Sequence 521, App
C 15	19.4	92.4	406	3	US-09-060-756-521	Sequence 521, App
C 16	19.4	92.4	1890	2	US-09-050-739-71	Sequence 71, App1
C 17	19.4	92.4	1890	2	US-09-050-739-71	Sequence 71, App1
C 18	19.4	92.4	32155	3	US-08-311-731A-1	Sequence 1, App11
C 19	19.4	92.4	4403765	3	US-09-103-840A-2	Sequence 2, App11
C 20	19.4	92.4	4411529	3	US-09-103-840A-1	Sequence 1, App11
C 21	17.8	84.8	601	3	US-09-949-016-63755	Sequence 63755, A
C 22	17.8	84.8	39195	3	US-08-311-731A-133	Sequence 133, App
C 23	17.8	84.8	42988	3	US-08-311-731A-128	Sequence 128, App
C 24	17.8	84.8	119981	3	US-09-949-016-11844	Sequence 11844, A

C 25	17.8	84.8	119982	3	US-09-949-016-13606	Sequence 13606, A
C 26	17	81.0	280	3	US-09-016-434-893	Sequence 893, App
C 27	17	81.0	796	3	US-09-148-545-24	Sequence 24, App1
C 28	17	81.0	796	3	US-09-621-011-24	Sequence 24, App1
C 29	17	81.0	855	3	US-09-148-545-89	Sequence 89, App1
C 30	17	81.0	855	3	US-09-621-011-89	Sequence 89, App1
C 31	17	81.0	1210	3	US-09-907-794A-126	Sequence 126, App
C 32	17	81.0	1210	3	US-09-905-125A-136	Sequence 126, App
C 33	17	81.0	1210	3	US-09-902-775A-126	Sequence 126, App
C 34	17	81.0	1210	3	US-09-906-700-126	Sequence 126, App
C 35	17	81.0	1210	3	US-09-903-603A-126	Sequence 126, App
C 36	17	81.0	1210	3	US-09-904-920A-126	Sequence 126, App
C 37	17	81.0	1210	3	US-09-909-064-126	Sequence 126, App
C 38	17	81.0	1210	3	US-09-905-381A-126	Sequence 126, App
C 39	17	81.0	1210	3	US-09-906-618-126	Sequence 126, App
C 40	17	81.0	1210	3	US-09-906-646-126	Sequence 126, App
C 41	17	81.0	1210	3	US-09-904-462-126	Sequence 126, App
C 42	17	81.0	1210	3	US-09-906-722A-126	Sequence 126, App
C 43	17	81.0	1210	3	US-09-906-722A-126	Sequence 126, App
C 44	16.8	80.0	36033	3	US-08-311-731A-124	Sequence 7, App11
C 45	16.4	78.1	2370	2	US-08-104-072B-7	Sequence 8, App11
C 46	16.4	78.1	2370	2	US-08-351-413-8	Sequence 8, App11
C 47	16.4	78.1	2370	2	US-09-025-583-8	Sequence 8, App11
C 48	16.2	77.1	448	3	US-09-060-756-60	Sequence 60, App1
C 49	16.2	77.1	448	3	US-09-670-314-60	Sequence 60, App1
C 50	16.2	77.1	601	3	US-09-949-016-89946	Sequence 89946, A
C 51	16.2	77.1	601	3	US-09-949-016-89947	Sequence 89947, A
C 52	16.2	77.1	1339	3	US-09-270-767-15234	Sequence 15234, A
C 53	16.2	77.1	1748	2	US-08-485-449-3	Sequence 1, App11
C 54	16.2	77.1	2122	2	US-08-485-449-3	Sequence 1, App11
C 55	16.2	77.1	3139	3	US-09-949-016-14319	Sequence 14319, A
C 56	16.2	77.1	524032	3	US-09-949-016-16528	Sequence 16528, A
C 57	16.2	77.1	524032	3	US-09-949-016-16529	Sequence 16929, A
C 58	16.2	77.1	524032	3	US-09-949-016-16530	Sequence 16930, A
C 59	16.2	77.1	524032	3	US-09-949-016-16531	Sequence 16931, A
C 60	16.2	77.1	529885	3	US-09-949-016-14340	Sequence 14340, A
C 61	16.2	77.1	529885	3	US-09-949-016-14341	Sequence 14341, A
C 62	16.2	77.1	529885	3	US-09-949-016-14342	Sequence 14342, A
C 63	16.2	77.1	529885	3	US-09-949-016-14343	Sequence 14343, A
C 64	16.2	77.1	529885	3	US-09-949-016-14344	Sequence 14344, A
C 65	16.2	77.1	529885	3	US-09-949-016-14345	Sequence 14345, A
C 66	16.2	77.1	529885	3	US-09-949-016-14346	Sequence 14346, A
C 67	16.2	77.1	529885	3	US-09-949-016-14347	Sequence 14347, A
C 68	16	76.2	601	3	US-09-949-016-47551	Sequence 47551, A
C 69	16	76.2	95648	3	US-09-949-016-13139	Sequence 13139, A
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C 76	15.8	75.2	9551	2	US-08-800-644-93	Sequence 136, App
C 77	15.8	75.2	36138	3	US-08-311-731A-136	Sequence 1, App11
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C 79	15.8	75.2	50341	2	US-09-075-904-1	Sequence 1, App11
C 80	15.8	75.2	52297	3	US-09-426-436-1	Sequence 1, App11
C 81	15.8	75.2	52297	3	US-08-705-557-1	Sequence 1, App11
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C 86	15.4	73.3	471	2	US-09-670-314-266	Sequence 558, App
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C 99	15.2	72.4	601	3	US-09-949-016-95856	Sequence 95856, A	C 172	15.2	72.4	18936	3	US-09-949-002-757	Sequence 703, App
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C 107	15.2	72.4	601	3	US-09-949-002-9390	Sequence 9390, App	C 180	15.2	72.4	42394	3	US-09-949-016-12752	Sequence 12752, A
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C 110	15.2	72.4	601	3	US-09-949-002-9395	Sequence 9395, App	C 183	15.2	72.4	52389	3	US-09-949-016-13155	Sequence 13155, A
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C 112	15.2	72.4	601	3	US-09-949-002-9397	Sequence 9397, App	C 185	15.2	72.4	65931	3	US-09-949-016-15140	Sequence 15140, A
C 113	15.2	72.4	601	3	US-09-949-002-9398	Sequence 9398, App	C 186	15.2	72.4	65932	3	US-09-949-016-15141	Sequence 15141, A
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C 115	15.2	72.4	601	3	US-09-949-002-9400	Sequence 9400, App	C 188	15.2	72.4	75929	3	US-09-949-016-15543	Sequence 15543, A
C 116	15.2	72.4	601	3	US-09-949-002-9401	Sequence 9401, App	C 189	15.2	72.4	75930	3	US-09-949-016-15544	Sequence 15544, A
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C 118	15.2	72.4	601	3	US-09-949-002-9403	Sequence 9403, App	C 191	15.2	72.4	203475	3	US-09-949-016-14516	Sequence 14516, A
C 119	15.2	72.4	601	3	US-09-949-002-9404	Sequence 9404, App	C 192	15.2	72.4	203476	3	US-09-949-016-14517	Sequence 14517, A
C 120	15.2	72.4	601	3	US-09-949-002-9405	Sequence 9405, App	C 193	15.2	72.4	203477	3	US-09-949-016-14518	Sequence 14518, A
C 121	15.2	72.4	601	3	US-09-949-002-9406	Sequence 9406, App	C 194	15.2	72.4	203478	3	US-09-949-016-14519	Sequence 14519, A
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C 123	15.2	72.4	601	3	US-09-949-002-9408	Sequence 9408, App	C 196	15.2	72.4	203480	3	US-09-949-016-17227	Sequence 17227, A
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C 126	15.2	72.4	601	3	US-09-949-002-9411	Sequence 9411, App	C 199	15.2	72.4	211049	3	US-09-949-016-15770	Sequence 15770, A
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C 134	15.2	72.4	601	3	US-09-949-002-9419	Sequence 9419, App	C 207	15.2	72.4	6144	3	US-09-949-016-12285	Sequence 12285, A
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C 137	15.2	72.4	601	3	US-09-949-002-9422	Sequence 9422, App	C 210	15.2	72.4	27659	3	US-09-949-016-17652	Sequence 17652, A
C 138	15.2	72.4	601	3	US-09-949-002-9423	Sequence 9423, App	C 211	15.2	72.4	105045	3	US-09-949-016-663	Sequence 663, App
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C 140	15.2	72.4	601	3	US-09-949-002-9425	Sequence 9425, App	C 213	15.2	72.4	670689	3	US-09-949-016-12505	Sequence 12505, A
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C 142	15.2	72.4	601	3	US-09-949-002-9427	Sequence 9427, App	C 215	15.2	72.4	26	3	US-09-270-767-26631	Sequence 26631, A
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C 144	15.2	72.4	601	3	US-09-949-002-9429	Sequence 9429, App	C 217	15.2	72.4	236	3	US-09-270-767-28177	Sequence 28177, A
C 145	15.2	72.4	601	3	US-09-949-002-9430	Sequence 9430, App	C 218	15.2	72.4	378	3	US-09-640-212A-421	Sequence 421, App
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C 152	15.2	72.4	601	3	US-09-949-002-9437	Sequence 9437, App	C 225	15.2	72.4	601	3	US-09-949-016-50501	Sequence 50501, A
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C 156	15.2	72.4	601	3	US-09-949-002-9441	Sequence 9441, App	C 229	15.2	72.4	848	3	US-09-023-655-1164	Sequence 1164, App
C 157	15.2	72.4	601	3	US-09-949-002-9442	Sequence 9442, App	C 230	15.2	72.4	866	3	US-09-023-655-1164	Sequence 1164, App
C 158	15.2	72.4	601	3	US-09-949-002-9443	Sequence 9443, App	C 231	15.2	72.4	873	3	US-09-252-991A-14663	Sequence 14663, A
C 159	15.2	72.4	601	3	US-09-949-002-9444	Sequence 9444, App	C 232	15.2	72.4	977	3	US-09-669-751-227	Sequence 227, App
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C 170	15.2	72.4	601	3	US-09-949-002-9455	Sequence 9455, App	C 243	15.2	72.4	2510	3	US-10-104-047-768	Sequence 768, App

244	14.8	70.5	2921	3	US-08-904-032-2	Sequence 2, Appl1	317	14.6	69.5	674	3	US-09-270-767-1112	Sequence 1112, Ap
245	14.8	70.5	3093	2	US-08-252-9668-19	Sequence 19, Appl	318	14.6	69.5	674	3	US-09-270-767-1694	Sequence 1694, Ap
246	14.8	70.5	3845	3	US-09-949-002-35	Sequence 35, Appl	319	14.6	69.5	690	3	US-09-902-540-9084	Sequence 9084, Ap
247	14.8	70.5	6029	3	US-09-949-016-13342	Sequence 13342, A	320	14.6	69.5	716	3	US-09-270-767-14552	Sequence 14552, A
248	14.8	70.5	7026	3	US-09-949-016-15139	Sequence 15139, A	321	14.6	69.5	804	3	US-09-134-000C-2318	Sequence 2318, Ap
249	14.8	70.5	7142	3	US-09-949-016-11597	Sequence 11597, A	322	14.6	69.5	967	3	US-09-248-335-51	Sequence 51, Appl
250	14.8	70.5	7143	3	US-09-949-016-16913	Sequence 16913, A	323	14.6	69.5	1038	3	US-10-293-622-1	Sequence 1, Appl1
251	14.8	70.5	7263	3	US-09-562-702A-31	Sequence 31, Appl	324	14.6	69.5	1059	3	US-09-252-991A-1043	Sequence 1043, Ap
252	14.8	70.5	7263	3	US-09-561-818A-27	Sequence 27, Appl	325	14.6	69.5	1114	3	US-09-270-767-3661	Sequence 3661, Ap
253	14.8	70.5	7263	3	US-10-037-182-19	Sequence 19, Appl	326	14.6	69.5	1114	3	US-09-270-767-18943	Sequence 18943, A
254	14.8	70.5	7354	3	US-09-562-702A-29	Sequence 29, Appl	327	14.6	69.5	1137	3	US-09-724-797-39	Sequence 39, Appl
255	14.8	70.5	7554	3	US-09-561-818A-25	Sequence 25, Appl	328	14.6	69.5	1158	3	US-09-711-164-222	Sequence 222, Appl
256	14.8	70.5	7554	3	US-10-037-182-17	Sequence 17, Appl	329	14.6	69.5	1207	3	US-09-270-767-12361	Sequence 12361, A
257	14.8	70.5	11093	3	US-09-949-016-12142	Sequence 12142, A	330	14.6	69.5	1400	3	US-09-023-655-535	Sequence 535, Appl
258	14.8	70.5	11700	3	US-09-949-016-16943	Sequence 16943, A	331	14.6	69.5	1404	3	US-09-252-991A-12291	Sequence 12291, A
259	14.8	70.5	14449	3	US-09-949-016-12108	Sequence 12108, A	332	14.6	69.5	1535	3	US-09-023-655-366	Sequence 366, Appl
260	14.8	70.5	20721	3	US-09-949-016-16257	Sequence 16257, A	333	14.6	69.5	1566	3	US-09-270-767-12384	Sequence 12384, A
261	14.8	70.5	20951	3	US-09-805-455-3	Sequence 3, Appl1	334	14.6	69.5	1566	9	5160813-1	Patent No. 5160813
262	14.8	70.5	22547	3	US-09-949-016-13679	Sequence 13679, A	335	14.6	69.5	1634	3	US-08-481-968A-6	Sequence 6, Appl1
263	14.8	70.5	22927	3	US-09-949-016-11849	Sequence 11849, A	336	14.6	69.5	1634	3	US-08-154-712B-6	Sequence 6, Appl1
264	14.8	70.5	22928	3	US-09-949-016-13071	Sequence 13071, A	337	14.6	69.5	1634	3	US-09-947-925A-6	Sequence 6, Appl1
265	14.8	70.5	22883	3	US-09-949-016-11812	Sequence 11812, A	338	14.6	69.5	1841	3	US-09-902-540-8917	Sequence 8917, Ap
266	14.8	70.5	22883	3	US-09-949-016-12712	Sequence 12712, A	339	14.6	69.5	1883	3	US-09-489-039A-4470	Sequence 4470, Ap
267	14.8	70.5	22883	3	US-09-949-016-17158	Sequence 17158, A	340	14.6	69.5	1973	3	US-09-016-433-1405	Sequence 1405, Ap
268	14.8	70.5	22883	3	US-09-949-016-17159	Sequence 17159, A	341	14.6	69.5	1920	3	US-09-252-991A-9817	Sequence 9817, Ap
269	14.8	70.5	36241	3	US-08-311-731A-134	Sequence 134, App	342	14.6	69.5	1938	3	US-09-543-681A-1968	Sequence 1968, Ap
270	14.8	70.5	3853	3	US-09-922-445-1	Sequence 1, Appl1	343	14.6	69.5	1964	3	US-09-774-528-308	Sequence 308, App
271	14.8	70.5	45090	3	US-09-949-016-12690	Sequence 12690, A	344	14.6	69.5	1964	3	US-10-120-988-308	Sequence 308, App
272	14.8	70.5	45091	3	US-09-949-016-16195	Sequence 16195, A	345	14.6	69.5	2073	3	US-08-483-941-3	Sequence 3, Appl1
273	14.8	70.5	57978	3	US-09-949-016-16667	Sequence 16667, A	346	14.6	69.5	2266	2	US-09-9213-767-1	Sequence 1, Appl1
274	14.8	70.5	90724	3	US-09-949-016-16601	Sequence 16601, A	347	14.6	69.5	2277	2	US-08-676-967-5	Sequence 5, Appl1
275	14.8	70.5	91232	3	US-09-949-002-607	Sequence 607, App	348	14.6	69.5	2277	2	US-08-676-967-5	Sequence 5, Appl1
276	14.8	70.5	91655	3	US-09-949-016-12234	Sequence 12234, A	349	14.6	69.5	2277	2	US-09-098-487-5	Sequence 5, Appl1
277	14.8	70.5	198942	3	US-09-949-016-13209	Sequence 13209, A	350	14.6	69.5	2282	3	US-09-922-445-50	Sequence 50, Appl1
278	14.8	70.5	229354	3	US-09-705-400-64	Sequence 64, Appl	351	14.6	69.5	2282	3	US-10-131-827-8848	Sequence 8848, Ap
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281	14.6	69.5	341	3	US-09-513-999C-963	Sequence 963, App	354	14.6	69.5	3433	3	US-09-902-540-6810	Sequence 6810, Ap
282	14.6	69.5	378	3	US-09-502-540-4245	Sequence 4245, Ap	355	14.6	69.5	3434	3	US-09-902-540-5564	Sequence 5564, App
283	14.6	69.5	411	3	US-09-270-767-1799	Sequence 1799, Ap	356	14.6	69.5	3445	3	US-09-949-016-2556	Sequence 2556, Ap
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286	14.6	69.5	486	3	US-10-293-622-3	Sequence 3, Appl1	359	14.6	69.5	3588	3	US-09-566-921-23	Sequence 23, Appl
287	14.6	69.5	571	3	US-09-072-967-276	Sequence 271, App	360	14.6	69.5	3557	3	US-07-852-132A-13	Sequence 13, Appl
288	14.6	69.5	571	3	US-09-072-967-276	Sequence 276, App	361	14.6	69.5	3557	3	US-09-902-540-654	Sequence 654, App
289	14.6	69.5	571	3	US-10-193-002-271	Sequence 276, App	362	14.6	69.5	3557	3	5248670-3	Patent No. 5248670
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291	14.6	69.5	590	3	US-09-385-982-9	Sequence 9556, Ap	364	14.6	69.5	4404	3	US-09-252-991A-1086	Sequence 1086, Ap
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C 394	14.6	69.5	44120	3	US-09-949-016-14153	Sequence 14153, A
C 395	14.6	69.5	44120	3	US-09-949-016-14154	Sequence 14154, A
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C 397	14.6	69.5	44120	3	US-09-949-016-14156	Sequence 14156, A
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C 403	14.6	69.5	49389	3	US-09-949-016-13630	Sequence 13630, A
C 404	14.6	69.5	53260	3	US-09-949-016-14298	Sequence 14298, A
C 405	14.6	69.5	77851	3	US-09-949-016-12508	Sequence 12508, A
C 406	14.6	69.5	77857	3	US-09-949-016-13211	Sequence 13211, A
C 407	14.6	69.5	77867	3	US-09-949-016-13212	Sequence 12508, A
C 408	14.6	69.5	77940	3	US-09-949-016-12509	Sequence 12509, A
C 409	14.6	69.5	83210	3	US-09-949-016-14209	Sequence 14209, A
C 410	14.6	69.5	87734	3	US-09-949-016-17521	Sequence 17521, A
C 411	14.6	69.5	131860	3	US-09-949-002-730	Sequence 730, App
C 412	14.6	69.5	132456	3	US-09-949-016-13750	Sequence 13750, A
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C 414	14.6	69.5	139952	3	US-09-949-016-13280	Sequence 13280, A
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C 417	14.4	68.6	308	3	US-09-621-976-10141	Sequence 10141, A
C 418	14.4	68.6	319	3	US-09-328-111-522	Sequence 522, App
C 419	14.4	68.6	338	2	US-08-686-878A-51	Sequence 51, Appl1
C 420	14.4	68.6	338	2	US-08-721-824-1	Sequence 1, Appl1
C 421	14.4	68.6	338	2	US-09-175-928-5	Sequence 5, Appl1
C 422	14.4	68.6	500	3	US-09-533-559-3900	Sequence 3900, App
C 423	14.4	68.6	511	3	US-09-270-767-9380	Sequence 9380, App
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C 428	14.4	68.6	601	3	US-09-949-016-94867	Sequence 94867, A
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C 430	14.4	68.6	623	3	US-09-270-767-26640	Sequence 26640, A
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C 437	14.4	68.6	1257	3	US-08-937-399-11	Sequence 11, Appl1
C 438	14.4	68.6	1257	3	US-09-310-367-11	Sequence 11, Appl1
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C 440	14.4	68.6	1257	3	US-09-464-231-11	Sequence 11, Appl1
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C 445	14.4	68.6	2800	3	US-09-221-017B-668	Sequence 668, App
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C 447	14.4	68.6	3023	3	US-09-900-236-4	Sequence 4, Appl1
C 448	14.4	68.6	3023	3	US-10-256-889-4	Sequence 4, Appl1
C 449	14.4	68.6	3023	3	US-10-439-799-4	Sequence 4, Appl1
C 450	14.4	68.6	3786	3	US-09-900-237-7	Sequence 7, Appl1
C 451	14.4	68.6	3813	3	US-10-160-719A-25	Sequence 25, Appl1
C 452	14.4	68.6	3813	3	US-10-160-719A-45	Sequence 45, Appl1
C 453	14.4	68.6	3813	3	US-10-209-059-17	Sequence 17, Appl1
C 454	14.4	68.6	4209	3	US-09-949-016-1101	Sequence 1101, App
C 455	14.4	68.6	4383	3	US-09-949-016-54	Sequence 54, Appl1
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C 457	14.4	68.6	4384	3	US-09-949-016-1801	Sequence 1801, App
C 458	14.4	68.6	4384	3	US-09-949-016-1802	Sequence 1802, App
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C 461	14.4	68.6	4989	3	US-09-693-011-12	Sequence 11, Appl1
C 462	14.4	68.6	5083	3	US-09-693-011-11	Sequence 11, Appl1
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C 464	14.4	68.6	5616	3	US-09-949-016-2895	Sequence 2895, App
C 465	14.4	68.6	5616	3	US-09-949-016-2896	Sequence 2896, App
C 466	14.4	68.6	5616	3	US-09-949-016-2897	Sequence 2897, App
C 467	14.4	68.6	5616	3	US-09-949-016-2898	Sequence 2898, App
C 468	14.4	68.6	6314	3	US-09-693-011-10	Sequence 10, Appl1
C 469	14.4	68.6	6408	3	US-09-693-011-9	Sequence 9, Appl1
C 470	14.4	68.6	7005	3	US-09-949-016-1102	Sequence 1102, App
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C 473	14.4	68.6	7005	3	US-09-949-016-2893	Sequence 2893, App
C 474	14.4	68.6	7005	3	US-09-949-016-2894	Sequence 2894, App
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C 479	14.4	68.6	31422	3	US-09-914-286-2	Sequence 2, Appl1
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C 482	14.4	68.6	45469	3	US-09-949-016-13398	Sequence 13398, A
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C 499	14.4	68.6	57280	3	US-09-949-016-14640	Sequence 14640, A
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C 501	14.4	68.6	105120	3	US-09-949-016-14158	Sequence 14158, A
C 502	14.4	68.6	134443	3	US-09-949-016-17562	Sequence 17562, A
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C 504	14.4	68.6	767677	3	US-09-949-016-12147	Sequence 12147, A
C 505	14.4	68.6	767677	3	US-09-949-016-17361	Sequence 17361, A
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C 507	14.2	67.6	213	3	US-09-461-4368-37	Sequence 37, Appl1
C 508	14.2	67.6	221	3	US-09-313-294A-4371	Sequence 4371, App
C 509	14.2	67.6	240	3	US-08-513-9748-318	Sequence 318, App
C 510	14.2	67.6	260	3	US-09-533-559-7680	Sequence 7680, App
C 511	14.2	67.6	281	3	US-09-313-294A-6485	Sequence 6485, App
C 512	14.2	67.6	330	3	US-09-313-294A-7061	Sequence 7061, App
C 513	14.2	67.6	330	3	US-09-502-540-5844	Sequence 5844, App
C 514	14.2	67.6	414	3	US-09-583-110-2240	Sequence 2240, App
C 515	14.2	67.6	422	3	US-09-513-999C-2254	Sequence 2254, App
C 516	14.2	67.6	423	3	US-09-252-991A-9223	Sequence 9223, App
C 517	14.2	67.6	429	3	US-09-107-433-256	Sequence 256, App
C 518	14.2	67.6	437	3	US-09-270-767-8215	Sequence 8215, App
C 519	14.2	67.6	437	3	US-09-270-767-23497	Sequence 23497, A
C 520	14.2	67.6	437	3	US-09-513-999C-2241	Sequence 2241, App
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C 522	14.2	67.6	537	3	US-09-270-767-8667	Sequence 8667, App
C 523	14.2	67.6	537	3	US-09-270-767-23949	Sequence 23949, App
C 524	14.2	67.6	539	3	US-09-533-559-7657	Sequence 7657, App
C 525	14.2	67.6	601	3	US-09-949-016-43988	Sequence 43988, App
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C 529	14.2	67.6	601	3	US-09-949-016-102934	Sequence 102934, A
C 530	14.2	67.6	601	3	US-09-949-016-102935	Sequence 102935, A
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C 532	14.2	67.6	601	3	US-09-949-016-110101	Sequence 110101, A
C 533	14.2	67.6	601	3	US-09-949-016-140496	Sequence 140496, A
C 534	14.2	67.6	601	3	US-09-949-002-987	Sequence 987, App
C 535	14.2	67.6	601	3	US-09-949-002-4160	Sequence 4160, App

C 536	14.2	67.6	670	3	US-09-533-559-6682	Sequence 6682, Ap
537	14.2	67.6	675	3	US-09-902-540-2719	Sequence 2719, Ap
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C 539	14.2	67.6	708	3	US-09-902-540-8818	Sequence 8818, Ap
540	14.2	67.6	715	3	US-09-513-999C-14246	Sequence 14246, A
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542	14.2	67.6	799	3	US-09-270-767-11378	Sequence 11378, A
C 543	14.2	67.6	801	4	US-09-605-703B-381	Sequence 381, App
544	14.2	67.6	819	3	US-09-252-991A-9493	Sequence 9493, Ap
C 545	14.2	67.6	826	3	US-09-533-559-505	Sequence 505, App
C 546	14.2	67.6	870	3	US-09-252-991A-9580	Sequence 9580, App
547	14.2	67.6	875	3	US-08-998-416-496	Sequence 496, App
548	14.2	67.6	924	3	US-09-252-991A-8032	Sequence 8032, App
549	14.2	67.6	927	3	US-09-248-796A-13295	Sequence 13295, Ap
550	14.2	67.6	930	3	US-09-252-991A-9382	Sequence 9382, Ap
C 551	14.2	67.6	942	4	US-09-605-703B-379	Sequence 379, App
552	14.2	67.6	957	3	US-09-252-991A-10748	Sequence 10748, A
C 553	14.2	67.6	993	3	US-09-252-991A-8282	Sequence 8282, Ap
554	14.2	67.6	999	3	US-09-252-991A-13302	Sequence 13302, A
555	14.2	67.6	1035	3	US-09-270-767-14636	Sequence 14636, A
C 556	14.2	67.6	1049	3	US-09-533-559-163	Sequence 163, App
C 557	14.2	67.6	1091	3	US-09-620-312D-660	Sequence 660, App
C 558	14.2	67.6	1116	3	US-09-778-171-2	Sequence 2, Appl
559	14.2	67.6	1189	3	US-09-533-559-7023	Sequence 7023, Ap
C 560	14.2	67.6	1259	3	US-09-902-540-134	Sequence 134, App
561	14.2	67.6	1272	3	US-09-902-540-3198	Sequence 3198, Ap
C 562	14.2	67.6	1281	3	US-09-252-991A-12660	Sequence 12660, A
C 563	14.2	67.6	1286	3	US-10-024-806-3	Sequence 3, Appl
C 564	14.2	67.6	1314	3	US-09-252-991A-9449	Sequence 9449, Ap
565	14.2	67.6	1320	3	US-09-270-767-25551	Sequence 25551, A
566	14.2	67.6	1337	3	US-09-999-833A-170	Sequence 170, App
567	14.2	67.6	1374	3	US-10-020-445A-170	Sequence 170, App
C 568	14.2	67.6	1374	3	US-09-902-540-6769	Sequence 6769, Ap
C 569	14.2	67.6	1380	3	US-09-902-540-5613	Sequence 5613, Ap
570	14.2	67.6	1386	2	US-08-408-095-22	Sequence 22, Appl
571	14.2	67.6	1457	3	US-09-620-312D-208	Sequence 208, App
572	14.2	67.6	1560	3	US-09-489-039A-2069	Sequence 2069, App
573	14.2	67.6	1594	3	US-09-270-767-13460	Sequence 13460, A
574	14.2	67.6	1712	3	US-09-919-039-122	Sequence 122, App
C 575	14.2	67.6	1722	3	US-09-902-540-3804	Sequence 3804, Ap
576	14.2	67.6	1733	3	US-09-900-237-19	Sequence 19, Appl
577	14.2	67.6	1736	3	US-09-023-655-1058	Sequence 1058, Ap
578	14.2	67.6	1810	2	US-08-299-849B-20	Sequence 20, Appl
579	14.2	67.6	1810	2	US-08-142-168A-20	Sequence 20, Appl
580	14.2	67.6	1810	3	US-08-967-727-20	Sequence 20, Appl
581	14.2	67.6	1810	3	US-08-037-330D-20	Sequence 20, Appl
582	14.2	67.6	1810	3	US-09-583-850-20	Sequence 20, Appl
583	14.2	67.6	1810	3	US-09-579-197-20	Sequence 20, Appl
584	14.2	67.6	1810	3	US-09-404-026-20	Sequence 20, Appl
585	14.2	67.6	1810	3	US-09-312-664-20	Sequence 20, Appl
586	14.2	67.6	1810	3	US-09-583-848A-20	Sequence 20, Appl
C 587	14.2	67.6	1884	3	US-10-246-658-3	Sequence 3, Appl
C 588	14.2	67.6	1884	3	US-10-843-131-3	Sequence 3, Appl
C 589	14.2	67.6	1887	3	US-09-252-991A-8170	Sequence 8170, Ap
590	14.2	67.6	1897	3	US-09-799-451-444	Sequence 444, App
591	14.2	67.6	1926	3	US-09-489-039A-2052	Sequence 2052, App
592	14.2	67.6	2000	3	US-09-270-767-10195	Sequence 10195, A
593	14.2	67.6	2022	3	US-09-023-655-416	Sequence 416, App
594	14.2	67.6	2058	3	US-10-246-658-1	Sequence 1, Appl
C 595	14.2	67.6	2058	3	US-10-843-131-1	Sequence 1, Appl
596	14.2	67.6	2088	3	US-09-949-016-4237	Sequence 4237, Ap
C 597	14.2	67.6	2197	3	US-09-778-171-1	Sequence 1, Appl
598	14.2	67.6	2242	3	US-09-400-742-1	Sequence 1, Appl
599	14.2	67.6	2242	3	US-08-618-615A-1	Sequence 1, Appl
600	14.2	67.6	2242	3	US-09-215-252-1	Sequence 1, Appl
601	14.2	67.6	2242	3	US-09-970-989A-1	Sequence 1, Appl
602	14.2	67.6	2283	3	US-09-252-991A-9337	Sequence 9337, Ap
C 603	14.2	67.6	2349	3	US-09-252-991A-13893	Sequence 13893, A
604	14.2	67.6	2354	3	US-10-104-047-1262	Sequence 1262, Ap
605	14.2	67.6	2648	3	US-09-953-318-101	Sequence 101, App
606	14.2	67.6	2664	3	US-09-902-540-8810	Sequence 8810, Ap
607	14.2	67.6	2862	3	US-09-252-991A-10659	Sequence 10659, A
C 608	14.2	67.6	2910	3	US-09-252-991A-10414	Sequence 10414, A
609	14.2	67.6	2940	3	US-09-487-558B-283	Sequence 283, App
610	14.2	67.6	2962	3	US-09-688-188B-106	Sequence 106, App
611	14.2	67.6	2962	3	US-09-291-417D-106	Sequence 106, App
612	14.2	67.6	2989	3	US-09-949-016-3979	Sequence 3979, Ap
C 613	14.2	67.6	3000	3	US-09-270-767-10415	Sequence 10415, A
614	14.2	67.6	3111	3	US-09-252-991A-10504	Sequence 10504, A
C 615	14.2	67.6	3142	3	US-09-949-016-1051	Sequence 1051, Ap
616	14.2	67.6	3143	3	US-09-949-016-1337	Sequence 1337, Ap
617	14.2	67.6	3143	3	US-09-999-833A-168	Sequence 168, App
618	14.2	67.6	3143	3	US-10-020-445A-158	Sequence 158, App
619	14.2	67.6	3177	3	US-09-902-540-8807	Sequence 8807, App
C 620	14.2	67.6	3190	3	US-09-286-959B-1	Sequence 1, Appl
C 621	14.2	67.6	3211	3	US-09-949-016-4459	Sequence 4459, Ap
C 622	14.2	67.6	3211	3	US-09-949-016-4460	Sequence 4460, Ap
C 623	14.2	67.6	3211	3	US-09-949-016-4461	Sequence 4461, Ap
C 624	14.2	67.6	3211	3	US-09-949-016-4462	Sequence 4462, Ap
C 625	14.2	67.6	3217	3	US-09-949-016-1049	Sequence 1049, Ap
C 626	14.2	67.6	3249	3	US-08-461-562B-1	Sequence 1, Appl
C 627	14.2	67.6	3349	3	US-09-949-016-654	Sequence 654, App
C 628	14.2	67.6	3500	3	US-09-949-016-4271	Sequence 4271, Ap
C 629	14.2	67.6	3500	3	US-09-949-016-4272	Sequence 4272, Ap
C 630	14.2	67.6	3500	3	US-09-949-016-4273	Sequence 4273, Ap
C 631	14.2	67.6	3500	3	US-09-949-016-4274	Sequence 4274, Ap
C 632	14.2	67.6	3506	3	US-09-949-016-1050	Sequence 1050, Ap
633	14.2	67.6	3626	3	US-09-900-237-29	Sequence 29, Appl
634	14.2	67.6	3704	3	US-10-160-719A-57	Sequence 57, Appl
635	14.2	67.6	3704	3	US-10-209-059-13	Sequence 13, Appl
C 636	14.2	67.6	3762	3	US-09-252-991A-13448	Sequence 13448, A
637	14.2	67.6	3795	3	US-09-252-991A-13693	Sequence 13693, A
C 638	14.2	67.6	3799	3	US-09-814-915B-98	Sequence 98, Appl
639	14.2	67.6	3799	3	US-10-209-059-21	Sequence 21, Appl
640	14.2	67.6	3839	3	US-09-056-105-14	Sequence 14, Appl
641	14.2	67.6	3995	3	US-09-917-254-18	Sequence 18, Appl
642	14.2	67.6	3995	3	US-09-819-497-9	Sequence 9, Appl
C 643	14.2	67.6	4174	3	US-09-845-713A-1	Sequence 1, Appl
644	14.2	67.6	4221	3	US-09-949-016-809	Sequence 809, App
645	14.2	67.6	4336	3	US-09-949-016-3761	Sequence 3761, Ap
646	14.2	67.6	4530	3	US-09-566-921-134	Sequence 134, App
647	14.2	67.6	4530	3	US-09-819-039-358	Sequence 358, App
648	14.2	67.6	4955	3	US-09-902-540-553	Sequence 553, App
649	14.2	67.6	5074	3	US-08-978-277A-1	Sequence 1, Appl
650	14.2	67.6	5134	2	US-08-635-121-1	Sequence 1, Appl
651	14.2	67.6	5200	3	US-08-678-277B-3	Sequence 3, Appl
652	14.2	67.6	5285	2	US-08-609-049A-29	Sequence 29, Appl
653	14.2	67.6	5285	3	US-09-170-996-29	Sequence 29, Appl
654	14.2	67.6	5337	3	US-10-164-230-1	Sequence 1, Appl
655	14.2	67.6	7869	3	US-09-949-016-885	Sequence 885, App
656	14.2	67.6	8122	3	US-09-902-540-885	Sequence 937, App
657	14.2	67.6	9556	3	US-09-949-016-17303	Sequence 17303, A
658	14.2	67.6	9880	3	US-09-902-540-926	Sequence 936, App
659	14.2	67.6	10571	3	US-09-949-016-12885	Sequence 12885, A
C 660	14.2	67.6	10701	3	US-09-949-016-14375	Sequence 14375, A
661	14.2	67.6	11612	3	US-09-902-540-981	Sequence 981, App
662	14.2	67.6	14551	3	US-09-949-016-12313	Sequence 12313, A
663	14.2	67.6	14551	3	US-09-949-016-16465	Sequence 16465, A
664	14.2	67.6	15559	3	US-09-902-540-1128	Sequence 1128, Ap
665	14.2	67.6	15695	3	US-09-949-016-15644	Sequence 15644, A
C 666	14.2	67.6	15725	3	US-09-949-016-17607	Sequence 17607, A
667	14.2	67.6	17262	3	US-09-902-540-1146	Sequence 1146, Ap
668	14.2	67.6	18551	3	US-09-902-540-1187	Sequence 1187, Ap
669	14.2	67.6	18664	3	US-09-949-016-16992	Sequence 16992, Ap
670	14.2	67.6	18864	3	US-09-949-016-16983	Sequence 16983, A
C 671	14.2	67.6	20740	3	US-09-902-540-1223	Sequence 1223, Ap
672	14.2	67.6	21080	3	US-09-949-016-15523	Sequence 15523, Ap
673	14.2	67.6	22139	3	US-09-949-016-15979	Sequence 15979, A
C 674	14.2	67.6	22339	3	US-09-949-016-14777	Sequence 14777, A
675	14.2	67.6	25235	3	US-10-164-230-2	Sequence 2, Appl
676	14.2	67.6	26103	3	US-09-949-016-16641	Sequence 16641, A
677	14.2	67.6	26729	3	US-10-283-247-6	Sequence 6, Appl
678	14.2	67.6	27545	3	US-09-949-016-13069	Sequence 13069, A
679	14.2	67.6	27548	3	US-09-949-016-12167	Sequence 12167, A
680	14.2	67.6	27579	3	US-09-949-016-15005	Sequence 15005, A
681	14.2	67.6	28129	3	US-09-949-016-17168	Sequence 17168, A

682	14.2	67.6	28129	3	US-09-949-016-17169	Sequence 17169, A	755	14	66.7	3379	3	US-09-220-132-12	Sequence 12, Appl
C 683	14.2	67.6	30172	3	US-09-949-002-660	Sequence 660, App	756	14	66.7	3445	3	US-09-976-594-323	Sequence 323, App
C 684	14.2	67.6	37385	3	US-09-949-016-15354	Sequence 15354, A	757	14	66.7	3509	2	US-08-175-471-6	Sequence 6, Appl
C 685	14.2	67.6	38566	3	US-09-949-016-15271	Sequence 15271, A	758	14	66.7	3509	2	US-08-429-054A-12	Sequence 12, Appl
C 686	14.2	67.6	38566	3	US-09-949-016-15272	Sequence 15272, A	759	14	66.7	3509	2	US-08-118-777-6	Sequence 6, Appl
C 687	14.2	67.6	39489	3	US-09-949-016-13886	Sequence 13886, A	760	14	66.7	3509	3	US-09-078-862-2	Sequence 2, Appl
C 688	14.2	67.6	44608	3	US-09-949-016-15604	Sequence 15604, A	761	14	66.7	3509	3	US-09-051-341-6	Sequence 6, Appl
C 689	14.2	67.6	47968	3	US-09-949-016-15240	Sequence 15240, A	762	14	66.7	3509	3	US-09-866-153-12	Sequence 12, Appl
C 690	14.2	67.6	48536	3	US-09-949-016-11867	Sequence 11867, A	763	14	66.7	3509	3	US-09-693-467A-12	Sequence 12, Appl
C 691	14.2	67.6	48536	3	US-09-949-016-17167	Sequence 17167, A	764	14	66.7	3509	3	US-09-970-976-12	Sequence 12, Appl
C 692	14.2	67.6	49225	3	US-09-902-540-1269	Sequence 1269, App	765	14	66.7	3509	3	US-08-429-053-12	Sequence 12, Appl
C 693	14.2	67.6	49487	3	US-09-949-016-15721	Sequence 15721, A	766	14	66.7	3509	8	US-09-193-941-6	Sequence 6, Appl
C 694	14.2	67.6	55387	3	US-09-949-016-12993	Sequence 12993, A	767	14	66.7	22761	3	US-09-902-540-1219	Sequence 1219, App
C 695	14.2	67.6	62311	3	US-09-949-016-14582	Sequence 14582, A	768	14	66.7	23276	3	US-09-949-016-15461	Sequence 15461, A
C 696	14.2	67.6	70559	3	US-10-283-247-3	Sequence 3, Appl1	769	14	66.7	31197	3	US-09-949-016-12963	Sequence 12963, A
C 697	14.2	67.6	70888	3	US-09-409-800B-1	Sequence 1, Appl1	770	14	66.7	49301	3	US-09-949-016-16296	Sequence 16296, A
C 698	14.2	67.6	70888	3	US-09-949-016-12122	Sequence 12122, A	771	14	66.7	102409	3	US-09-949-016-15148	Sequence 15148, A
C 699	14.2	67.6	77626	3	US-09-949-016-12658	Sequence 12658, A	772	14	66.7	103934	3	US-09-949-016-14433	Sequence 14433, A
C 700	14.2	67.6	78846	3	US-09-949-016-12386	Sequence 12386, A	773	14	66.7	134404	3	US-09-949-016-17362	Sequence 17362, A
C 701	14.2	67.6	78846	3	US-09-949-016-12791	Sequence 12791, A	C 774	13.8	65.7	29	3	US-09-304-232-740	Sequence 740, App
C 702	14.2	67.6	78846	3	US-09-949-016-12792	Sequence 12792, A	775	13.8	65.7	36	2	US-09-227-794-5	Sequence 38, Appl
C 703	14.2	67.6	78846	3	US-09-949-016-12793	Sequence 12793, A	776	13.8	65.7	40	2	US-08-628-422-38	Sequence 5, Appl
C 704	14.2	67.6	78850	3	US-09-949-016-16013	Sequence 16013, A	C 777	13.8	65.7	82	3	US-09-513-999C-28551	Sequence 29551, A
C 705	14.2	67.6	78850	3	US-09-949-016-16014	Sequence 16014, A	C 778	13.8	65.7	146	2	US-08-554-612C-48	Sequence 48, Appl
C 706	14.2	67.6	78850	3	US-09-949-016-16015	Sequence 16015, A	C 779	13.8	65.7	179	3	US-09-471-276-90	Sequence 90, Appl
C 707	14.2	67.6	78850	3	US-09-949-016-16016	Sequence 16016, A	C 780	13.8	65.7	202	3	US-09-270-767-7675	Sequence 7675, App
C 708	14.2	67.6	78850	3	US-09-949-016-16201	Sequence 16201, A	C 781	13.8	65.7	202	3	US-09-270-767-72257	Sequence 72957, A
C 709	14.2	67.6	78850	3	US-09-949-016-16202	Sequence 16202, A	C 782	13.8	65.7	221	3	US-09-313-294A-5594	Sequence 5594, App
C 710	14.2	67.6	78850	3	US-09-949-016-16203	Sequence 16203, A	C 783	13.8	65.7	258	3	US-09-902-540-4382	Sequence 4382, App
C 711	14.2	67.6	78850	3	US-09-949-016-16204	Sequence 16204, A	C 784	13.8	65.7	282	3	US-09-313-294A-7806	Sequence 2806, App
C 712	14.2	67.6	81384	3	US-09-949-016-12422	Sequence 14222, A	C 785	13.8	65.7	305	3	US-09-313-294A-7108	Sequence 7108, App
C 713	14.2	67.6	87350	3	US-08-781-891-79	Sequence 79, Appl	C 786	13.8	65.7	342	3	US-09-640-211A-1507	Sequence 1507, App
C 714	14.2	67.6	87350	3	US-09-618-166-79	Sequence 79, Appl	C 787	13.8	65.7	311	3	US-09-270-767-28065	Sequence 28065, A
C 715	14.2	67.6	87543	3	US-09-791-211-3	Sequence 3, Appl1	C 788	13.8	65.7	394	3	US-09-533-559-2923	Sequence 2923, App
C 716	14.2	67.6	90923	3	US-09-949-002-623	Sequence 623, App	C 789	13.8	65.7	404	3	US-09-640-211A-106	Sequence 106, Appl
C 717	14.2	67.6	90925	3	US-09-949-002-789	Sequence 789, App	C 790	13.8	65.7	408	3	US-09-144-367-6	Sequence 6, Appl
C 718	14.2	67.6	95750	3	US-09-949-016-11926	Sequence 11926, A	C 791	13.8	65.7	440	3	US-09-513-999C-12746	Sequence 12746, A
C 719	14.2	67.6	96878	3	US-09-949-016-12551	Sequence 12551, A	C 792	13.8	65.7	445	3	US-09-513-999C-12745	Sequence 12745, A
C 720	14.2	67.6	99304	3	US-09-949-016-15440	Sequence 15440, A	C 793	13.8	65.7	445	3	US-09-270-767-28009	Sequence 28009, A
C 721	14.2	67.6	99370	3	US-09-949-016-12816	Sequence 12816, A	C 794	13.8	65.7	488	3	US-09-621-976-16190	Sequence 16190, A
C 722	14.2	67.6	99370	3	US-09-949-016-17540	Sequence 17540, A	C 795	13.8	65.7	481	3	US-09-533-559-2252	Sequence 2252, App
C 723	14.2	67.6	103894	3	US-09-949-016-14450	Sequence 14450, A	C 796	13.8	65.7	480	3	US-09-370-767-27773	Sequence 27773, A
C 724	14.2	67.6	106199	3	US-09-949-016-12393	Sequence 12393, A	C 797	13.8	65.7	534	3	US-09-893-737-165	Sequence 165, App
C 725	14.2	67.6	107800	3	US-09-949-016-13118	Sequence 13118, A	C 798	13.8	65.7	558	3	US-09-583-110-2141	Sequence 2141, App
C 726	14.2	67.6	107980	3	US-09-949-016-14370	Sequence 14370, A	C 799	13.8	65.7	544	3	US-09-583-110-2140	Sequence 2140, App
C 727	14.2	67.6	116425	3	US-09-949-016-11809	Sequence 11809, A	C 800	13.8	65.7	570	3	US-09-602-777A-257	Sequence 257, App
C 728	14.2	67.6	117080	3	US-09-949-016-12627	Sequence 12627, A	C 801	13.8	65.7	573	3	US-09-107-433-2229	Sequence 2229, App
C 729	14.2	67.6	141115	3	US-09-949-016-17480	Sequence 17480, A	C 802	13.8	65.7	576	3	US-09-252-991A-22	Sequence 22, Appl
C 730	14.2	67.6	143155	3	US-09-949-016-11925	Sequence 11925, A	C 803	13.8	65.7	586	3	US-09-640-211A-1199	Sequence 199, App
C 731	14.2	67.6	143164	3	US-09-949-016-14368	Sequence 14368, A	C 804	13.8	65.7	587	3	US-09-533-559-7663	Sequence 7663, App
C 732	14.2	67.6	143173	3	US-09-949-016-14513	Sequence 14513, A	C 805	13.8	65.7	594	3	US-09-248-796A-12695	Sequence 12695, A
C 733	14.2	67.6	143776	3	US-09-949-001-35	Sequence 29, Appl	C 806	13.8	65.7	601	3	US-09-949-016-23594	Sequence 23594, A
C 734	14.2	67.6	144034	3	US-09-949-001-29	Sequence 35, Appl	C 807	13.8	65.7	601	3	US-09-949-016-23595	Sequence 23595, A
C 735	14.2	67.6	152582	3	US-09-949-016-12086	Sequence 12086, A	C 808	13.8	65.7	601	3	US-09-949-016-39207	Sequence 39027, A
C 736	14.2	67.6	152583	3	US-09-949-016-17330	Sequence 17330, A	C 809	13.8	65.7	601	3	US-09-949-016-48601	Sequence 48601, A
C 737	14.2	67.6	152583	3	US-09-949-016-17331	Sequence 17331, A	C 810	13.8	65.7	601	3	US-09-949-016-61178	Sequence 61178, A
C 738	14.2	67.6	179904	3	US-09-949-002-577	Sequence 577, App	C 811	13.8	65.7	601	3	US-09-949-016-67022	Sequence 67022, A
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C 740	14.2	67.6	188504	3	US-09-949-002-711	Sequence 711, App	C 813	13.8	65.7	601	3	US-09-949-016-95359	Sequence 95359, A
C 741	14.2	67.6	188942	3	US-09-949-016-13209	Sequence 13209, App	C 814	13.8	65.7	601	3	US-09-949-016-9537	Sequence 9537, A
C 742	14.2	67.6	189471	3	US-09-949-016-14083	Sequence 14083, A	C 815	13.8	65.7	601	3	US-09-949-016-95715	Sequence 95715, A
C 743	14.2	67.6	200918	3	US-09-949-002-647	Sequence 647, App	C 816	13.8	65.7	601	3	US-09-949-016-124952	Sequence 124952, A
C 744	14.2	67.6	304533	3	US-09-949-016-15371	Sequence 15371, A	C 817	13.8	65.7	601	3	US-09-949-016-124953	Sequence 124953, A
C 745	14.2	67.6	304533	3	US-09-949-016-15372	Sequence 15372, A	C 818	13.8	65.7	601	3	US-09-949-016-133102	Sequence 133102, A
C 746	14.2	67.6	767677	3	US-09-949-016-12147	Sequence 12147, A	C 819	13.8	65.7	601	3	US-09-949-016-156641	Sequence 156641, A
C 747	14.2	67.6	767677	3	US-09-949-016-17361	Sequence 17361, A	C 820	13.8	65.7	601	3	US-09-949-016-177719	Sequence 177719, A
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C 750	14	66.7	735	3	US-09-533-559-5824	Sequence 5824, App	C 823	13.8	65.7	601	3	US-09-949-016-178763	Sequence 178763, A
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C 753	14	66.7	2814	3	US-10-104-047-991	Sequence 991, App	C 826	13.8	65.7	601	3	US-09-949-016-186888	Sequence 186888, A
C 754	14	66.7	3378	3	US-09-964-899-48	Sequence 48, Appl	C 827	13.8	65.7	601	3	US-09-949-016-191652	Sequence 191652, A

828	13.8	65.7	601	3	US-09-949-016-191830	Sequence 191830,	901	13.8	65.7	4144	3	US-08-460-242-1	Sequence 1, Appl1
829	13.8	65.7	601	3	US-09-949-016-192008	Sequence 192008,	902	13.8	65.7	4522	3	US-09-949-016-4008	Sequence 4008, Ap
830	13.8	65.7	601	3	US-09-949-016-192086	Sequence 192086,	903	13.8	65.7	4948	3	US-09-562-7028-23	Sequence 23, Appl
831	13.8	65.7	601	3	US-09-949-016-192494	Sequence 192494,	904	13.8	65.7	4948	3	US-09-561-8188-23	Sequence 23, Appl
832	13.8	65.7	601	3	US-09-949-016-198709	Sequence 198709,	905	13.8	65.7	4948	3	US-10-037-182-15	Sequence 15, Appl
833	13.8	65.7	601	3	US-09-949-016-198710	Sequence 198710,	906	13.8	65.7	4948	3	US-09-562-7028-27	Sequence 27, Appl
834	13.8	65.7	601	3	US-09-949-016-200416	Sequence 200416,	907	13.8	65.7	5306	3	US-09-562-7028-21	Sequence 21, Appl
835	13.8	65.7	601	3	US-09-949-016-200420	Sequence 200420,	908	13.8	65.7	5306	3	US-09-561-8188-21	Sequence 21, Appl
836	13.8	65.7	601	3	US-09-949-016-203785	Sequence 203785,	909	13.8	65.7	5306	3	US-10-037-182-13	Sequence 13, Appl
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839	13.8	65.7	601	3	US-09-949-016-205454	Sequence 205454,	912	13.8	65.7	5773	3	US-09-566-921-112	Sequence 112, App
840	13.8	65.7	601	3	US-09-949-016-205455	Sequence 205455,	913	13.8	65.7	6172	3	US-09-774-528-89	Sequence 89, Appl
841	13.8	65.7	630	3	US-09-533-559-576	Sequence 576, Appl	914	13.8	65.7	6452	3	US-10-120-988-89	Sequence 89, Appl
842	13.8	65.7	632	3	US-09-533-559-7350	Sequence 7350, App	915	13.8	65.7	6452	3	US-08-836-325-9	Sequence 9, Appl1
843	13.8	65.7	636	3	US-09-270-767-7378	Sequence 7378, Ap	916	13.8	65.7	6877	2	US-08-347-340-1	Sequence 9, Appl1
844	13.8	65.7	640	3	US-09-270-767-7378	Sequence 7378, Ap	917	13.8	65.7	6877	2	US-08-347-340-1	Sequence 1, Appl1
845	13.8	65.7	640	3	US-09-270-767-7378	Sequence 7378, Ap	918	13.8	65.7	6992	3	US-09-949-016-17386	Sequence 17386, A
846	13.8	65.7	643	3	US-09-533-559-2129	Sequence 2129, Ap	919	13.8	65.7	6992	3	US-09-949-016-17387	Sequence 17387, A
847	13.8	65.7	694	3	US-09-023-655-1067	Sequence 1067, Ap	920	13.8	65.7	7053	3	US-09-949-016-17436	Sequence 17436, A
848	13.8	65.7	709	3	US-09-446-959-8	Sequence 8, Appl1	921	13.8	65.7	7649	3	US-09-949-016-16033	Sequence 16033, A
849	13.8	65.7	723	2	US-08-618-911-1	Sequence 1, Appl1	922	13.8	65.7	7890	3	US-09-949-016-2485	Sequence 2425, Ap
850	13.8	65.7	723	3	US-09-252-991A-21	Sequence 21, Appl	923	13.8	65.7	8512	3	US-08-961-527-129	Sequence 129, App
851	13.8	65.7	759	3	US-09-620-312D-991	Sequence 991, App	924	13.8	65.7	9984	3	US-09-949-016-13383	Sequence 13283, A
852	13.8	65.7	770	3	US-08-938-675A-1	Sequence 1, Appl1	925	13.8	65.7	11090	3	US-09-949-016-17133	Sequence 17133, A
853	13.8	65.7	770	3	US-09-531-727-1	Sequence 1, Appl1	926	13.8	65.7	11176	3	US-09-465-978A-51	Sequence 51, Appl
854	13.8	65.7	777	2	US-08-618-911-3	Sequence 3, Appl1	927	13.8	65.7	14255	3	US-09-949-016-16875	Sequence 16875, A
855	13.8	65.7	777	2	US-08-618-911-5	Sequence 5, Appl1	928	13.8	65.7	14255	3	US-08-961-527-40	Sequence 40, Appl
856	13.8	65.7	779	3	US-09-270-767-12115	Sequence 12115, A	929	13.8	65.7	15975	3	US-09-949-016-17469	Sequence 17469, A
857	13.8	65.7	812	3	US-09-583-110-413	Sequence 413, App	930	13.8	65.7	16365	3	US-09-949-016-16970	Sequence 16970, A
858	13.8	65.7	823	3	US-09-107-433-1599	Sequence 1599, Ap	931	13.8	65.7	19650	3	US-09-819-989-3	Sequence 3, Appl1
859	13.8	65.7	885	3	US-08-675-885-1	Sequence 1, Appl1	932	13.8	65.7	19650	3	US-10-273-992-3	Sequence 3, Appl1
860	13.8	65.7	885	3	US-08-545-196B-20	Sequence 20, Appl	933	13.8	65.7	19650	3	US-10-681-222-3	Sequence 3, Appl1
861	13.8	65.7	893	3	US-09-509-712B-46	Sequence 46, Appl	934	13.8	65.7	20444	3	US-09-949-016-15750	Sequence 15750, A
862	13.8	65.7	950	3	US-09-640-211A-156	Sequence 156, Appl	935	13.8	65.7	21920	3	US-09-949-016-15609	Sequence 15609, A
863	13.8	65.7	1001	3	US-09-671-317-86	Sequence 86, Appl	936	13.8	65.7	22780	3	US-09-949-016-12013	Sequence 12013, A
864	13.8	65.7	1011	3	US-09-270-767-10840	Sequence 10840, A	937	13.8	65.7	27791	3	US-09-949-016-17498	Sequence 17498, A
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866	13.8	65.7	1053	3	US-09-385-947-1	Sequence 1, Appl1	939	13.8	65.7	28129	3	US-09-949-016-17169	Sequence 17169, A
867	13.8	65.7	1092	3	US-09-270-767-12315	Sequence 12315, A	940	13.8	65.7	28823	3	US-09-949-016-17837	Sequence 12437, A
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870	13.8	65.7	1206	3	US-09-252-991A-2084	Sequence 2084, Ap	943	13.8	65.7	32927	3	US-09-949-016-12694	Sequence 12694, A
871	13.8	65.7	1237	2	US-08-808-793-26	Sequence 26, Appl	944	13.8	65.7	32927	3	US-09-949-016-15490	Sequence 1217, Ap
872	13.8	65.7	1281	3	US-09-252-991A-1727	Sequence 1727, Ap	945	13.8	65.7	32798	3	US-09-949-016-11758	Sequence 11758, A
873	13.8	65.7	1314	2	US-07-662-005A-15	Sequence 15, Appl	946	13.8	65.7	32798	3	US-09-949-016-17366	Sequence 17366, A
874	13.8	65.7	1333	2	US-08-174-467-18	Sequence 18, Appl	947	13.8	65.7	34172	3	US-09-949-016-11432	Sequence 14432, A
875	13.8	65.7	1393	3	US-08-452-071-18	Sequence 7, Appl1	948	13.8	65.7	34266	3	US-09-949-016-13250	Sequence 13250, A
876	13.8	65.7	1440	3	US-09-857-612A-7	Sequence 12380, A	949	13.8	65.7	36023	3	US-09-949-016-15577	Sequence 15577, A
877	13.8	65.7	1487	3	US-09-270-767-12380	Sequence 10633, A	950	13.8	65.7	38479	3	US-09-949-016-16230	Sequence 12669, A
878	13.8	65.7	1627	3	US-09-270-767-10633	Sequence 28443, A	951	13.8	65.7	38479	3	US-09-949-016-16230	Sequence 16730, A
879	13.8	65.7	1627	3	US-09-270-767-28449	Sequence 11478, A	952	13.8	65.7	38564	3	US-09-734-673-3	Sequence 3, Appl1
880	13.8	65.7	1839	3	US-09-270-767-11478	Sequence 266, App	953	13.8	65.7	43069	3	US-09-922-542A-1	Sequence 5, Appl1
881	13.8	65.7	1843	3	US-09-919-039-266	Sequence 12648, A	954	13.8	65.7	44453	3	US-09-146-053-5	Sequence 16955, A
882	13.8	65.7	1891	3	US-09-270-767-12646	Sequence 1879, Ap	955	13.8	65.7	44775	3	US-09-949-016-16855	Sequence 16863, A
883	13.8	65.7	1898	3	US-09-270-767-12648	Sequence 12648, A	956	13.8	65.7	47752	3	US-09-949-016-16855	Sequence 16863, A
884	13.8	65.7	2016	3	US-09-252-991A-1879	Sequence 1879, Ap	957	13.8	65.7	48181	3	US-09-949-016-16863	Sequence 16863, A
885	13.8	65.7	2128	3	US-09-747-259-15	Sequence 711, Appl	958	13.8	65.7	48536	3	US-09-949-016-11867	Sequence 11867, A
886	13.8	65.7	2277	3	US-10-104-047-1733	Sequence 15, Appl	959	13.8	65.7	48536	3	US-09-949-016-11867	Sequence 11867, A
887	13.8	65.7	2496	3	US-10-104-047-711	Sequence 51, Appl	960	13.8	65.7	50937	3	US-09-428-517-1	Sequence 1, Appl1
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891	13.8	65.7	2891	3	US-10-104-047-1190	Sequence 1, Appl1	964	13.8	65.7	70308	3	US-09-949-016-15501	Sequence 15601, A
892	13.8	65.7	3033	3	US-08-836-325-1	Sequence 154, App	965	13.8	65.7	77388	3	US-09-949-016-13496	Sequence 13496, A
893	13.8	65.7	3033	3	US-09-457-571-1	Sequence 154, App	966	13.8	65.7	77388	3	US-09-949-016-12608	Sequence 12608, A
894	13.8	65.7	3352	3	US-09-774-528-154	Sequence 200, App	967	13.8	65.7	77666	3	US-09-949-016-12608	Sequence 12654, A
895	13.8	65.7	3352	3	US-10-120-888-154	Sequence 200, App	968	13.8	65.7	83617	3	US-09-949-016-12211	Sequence 12211, A
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897	13.8	65.7	3494	3	US-09-659-786-200	Sequence 1459, Ap	970	13.8	65.7	85850	3	US-09-949-016-112821	Sequence 12821, A
898	13.8	65.7	3494	3	US-09-023-655-1006	Sequence 1, Appl1	971	13.8	65.7	87774	3	US-09-949-016-112821	Sequence 14167, A
899	13.8	65.7	3817	3	US-10-104-047-1459	Sequence 1, Appl1	972	13.8	65.7	93398	3	US-09-949-016-11467	Sequence 16097, A
900	13.8	65.7	4144	2	US-08-218-686-1	Sequence 1, Appl1	973	13.8	65.7	93971	3	US-09-949-016-16097	Sequence 16097, A

974 13.8 65.7 93971 3 US-09-949-016-16088 Sequence 16098, A
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c 977 13.8 65.7 109690 3 US-09-949-016-13525 Sequence 13525, A
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993 13.8 65.7 174029 3 US-09-949-016-12610 Sequence 12610, A
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c 996 13.8 65.7 187136 3 US-09-949-016-17231 Sequence 17231, A
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999 13.8 65.7 203475 3 US-09-949-016-14518 Sequence 14518, A
1000 13.8 65.7 203475 3 US-09-949-016-14519 Sequence 14519, A

ALIGNMENTS

US-08-311-731A-138/c
; Sequence 138, Application US/08311731A
; Patent No. 6583266
; GENERAL INFORMATION:
; APPLICANT: SMITH, DOUGLAS
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES
; TITLE OF INVENTION: RELATING TO MYCOBACTERIUM TUBERCULOSIS AND LAPRAE FOR
; TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
; NUMBER OF SEQUENCES: 411
; CORRESPONDENCE ADDRESSES:
; ADDRESSEE: WOLF, GREENFIELD & SACKS, P.C.
; STREET: 600 ATLANTIC AVENUE
; CITY: BOSTON
; STATE: MASSACHUSETTS
; COUNTRY: USA
; ZIP: 02210
; COMPUTER READABLE FORM:
; MEDIUM TYPE: FLOPPY disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/311,731A
; FILING DATE:
; CLASSIFICATION: 530
; ATTORNEY/AGENT INFORMATION:
; NAME: GATES, EDWARD R.
; REGISTRATION NUMBER: 31,616
; REFERENCE/DOCKET NUMBER: C0044/7125
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 617/720-3500
; TELEFAX: 617/720-2441
; INFORMATION FOR SEQ ID NO: 138:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 35961 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: circular
; MOLECULE TYPE: DNA (genomic)

RESULT 1

US-08-311-731A-24/c
; Sequence 24, Application US/08311731A
; Patent No. 6583266
; GENERAL INFORMATION:
; APPLICANT: SMITH, DOUGLAS
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES
; TITLE OF INVENTION: RELATING TO MYCOBACTERIUM TUBERCULOSIS AND LAPRAE FOR
; TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
; NUMBER OF SEQUENCES: 411
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; ADDRESSEE: WOLF, GREENFIELD & SACKS, P.C.
; STREET: 600 ATLANTIC AVENUE
; CITY: BOSTON
; STATE: MASSACHUSETTS
; COUNTRY: USA
; ZIP: 02210
; COMPUTER READABLE FORM:
; MEDIUM TYPE: FLOPPY disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/311,731A
; FILING DATE:
; CLASSIFICATION: 530
; ATTORNEY/AGENT INFORMATION:
; NAME: GATES, EDWARD R.
; REGISTRATION NUMBER: 31,616
; REFERENCE/DOCKET NUMBER: C0044/7125
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 617/720-3500
; TELEFAX: 617/720-2441
; INFORMATION FOR SEQ ID NO: 138:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 35961 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: circular
; MOLECULE TYPE: DNA (genomic)

; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; ORIGINAL SOURCE:
; ORGANISM: Mycobacterium leprae
; US-08-311-731A-138

Query Match 100.0%; Score 21; DB 3; Length 35961;
Best Local Similarity 100.0%; Pred. No. 5.9;
Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 22961 AGCGATGAGGAGGAGTGCGGC 22941

RESULT 2

US-08-311-731A-24/c
; Sequence 24, Application US/08311731A
; Patent No. 6583266
; GENERAL INFORMATION:
; APPLICANT: SMITH, DOUGLAS
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES
; TITLE OF INVENTION: RELATING TO MYCOBACTERIUM TUBERCULOSIS AND LAPRAE FOR
; TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
; NUMBER OF SEQUENCES: 411
; CORRESPONDENCE ADDRESSES:
; ADDRESSEE: WOLF, GREENFIELD & SACKS, P.C.
; STREET: 600 ATLANTIC AVENUE
; CITY: BOSTON
; STATE: MASSACHUSETTS
; COUNTRY: USA
; ZIP: 02210
; COMPUTER READABLE FORM:
; MEDIUM TYPE: FLOPPY disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/311,731A
; FILING DATE:
; CLASSIFICATION: 530
; ATTORNEY/AGENT INFORMATION:
; NAME: GATES, EDWARD R.
; REGISTRATION NUMBER: 31,616
; REFERENCE/DOCKET NUMBER: C0044/7125
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 617/720-3500
; TELEFAX: 617/720-2441
; INFORMATION FOR SEQ ID NO: 24:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 38494 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: circular
; MOLECULE TYPE: DNA (genomic)
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; ORIGINAL SOURCE:
; ORGANISM: MYCOBACTERIUM LEPRAE
; US-08-311-731A-24

Query Match 100.0%; Score 21; DB 3; Length 38494;
Best Local Similarity 100.0%; Pred. No. 5.9;
Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 AGCGATGAGGAGGAGTGCGGC 21
Db 6889 AGCGATGAGGAGGAGTGCGGC 6869

RESULT 3
US-09-103-840A-2

```
; Sequence 2, Application US/09103840A
; Patent No. 6294328
; GENERAL INFORMATION:
; APPLICANT: FLEISCHMAN, Robert D.
; APPLICANT: WHITE, Owen R.
; APPLICANT: FRASER, Claire M.
; APPLICANT: VENTER, John C.
; TITLE OF INVENTION: DNA SEQUENCES FOR STRAIN ANALYSIS IN MYCOBACTERIUM
; FILE REFERENCE: 24366-20007.00
; CURRENT APPLICATION NUMBER: US/09/103,840A
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 2
; LENGTH: 4403765
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
; FEATURE:
; OTHER INFORMATION: CDC 1551
; OTHER INFORMATION: "n" bases at various positions throughout the sequence
; OTHER INFORMATION: represent a, t, c or g
US-09-103-840A-2
```

```
Query Match          100.0%; Score 21; DB 3; Length 4403765;
Best Local Similarity 100.0%; Pred. No. 8.5;
Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY 1 AGCGATGAGAGAGTGGCGC 21

Db 1508755 AGCGATGAGAGAGTGGCGC 1508775

```
RESULT 4
US-09-103-840A-1
; Sequence 1, Application US/09103840A
; Patent No. 6294328
; GENERAL INFORMATION:
; APPLICANT: FLEISCHMAN, Robert D.
; APPLICANT: WHITE, Owen R.
; APPLICANT: FRASER, Claire M.
; APPLICANT: VENTER, John C.
; TITLE OF INVENTION: DNA SEQUENCES FOR STRAIN ANALYSIS IN MYCOBACTERIUM
; FILE REFERENCE: 24366-20007.00
; CURRENT APPLICATION NUMBER: US/09/103,840A
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 1
; LENGTH: 4411529
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
; OTHER INFORMATION: H37Rv
US-09-103-840A-1
```

```
Query Match          100.0%; Score 21; DB 3; Length 4411529;
Best Local Similarity 100.0%; Pred. No. 8.5;
Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY 1 AGCGATGAGAGAGTGGCGC 21

Db 1507557 AGCGATGAGAGAGTGGCGC 1507577

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RESULT 5
US-09-060-756-526/C
; Sequence 526, Application US/09060756
; Patent No. 6183957
; GENERAL INFORMATION:
; APPLICANT: Cole, Stewart
; APPLICANT: Buchrieser-Brosch, Roland
; APPLICANT: Gordon, Stephen
```

```
; APPLICANT: Billault, Alain
; TITLE OF INVENTION: METHOD FOR ISOLATING A POLYNUCLEOTIDE OF INTEREST FROM
; TITLE OF INVENTION: THE GENOME OF A MYCOBACTERIUM USING A BAC-BASED DNA
; TITLE OF INVENTION: LIBRARY APPLICATION TO THE DETECTION OF MYCOBACTERIA
; FILE REFERENCE: 3495-0169
; CURRENT APPLICATION NUMBER: US/09/060,756
; NUMBER OF SEQ ID NOS: 743
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 526
; LENGTH: 173
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
US-09-060-756-526
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```
Query Match          92.4%; Score 19.4; DB 3; Length 173;
Best Local Similarity 95.2%; Pred. No. 19;
Matches 20; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

QY 1 AGCGATGAGAGAGTGGCGC 21

Db 54 AGCGATGAGAGAGTGGCGC 34

```
RESULT 6
US-09-670-314-526/C
; Sequence 526, Application US/09670314
; Patent No. 6492506
; GENERAL INFORMATION:
; APPLICANT: Cole, Stewart
; APPLICANT: Buchrieser-Brosch, Roland
; APPLICANT: Gordon, Stephen
; APPLICANT: Billault, Alain
; TITLE OF INVENTION: METHOD FOR ISOLATING A POLYNUCLEOTIDE OF INTEREST FROM
; TITLE OF INVENTION: THE GENOME OF A MYCOBACTERIUM USING A BAC-BASED DNA
; TITLE OF INVENTION: LIBRARY APPLICATION TO THE DETECTION OF MYCOBACTERIA
; FILE REFERENCE: 3495-0169
; CURRENT APPLICATION NUMBER: US/09/670,314
; CURRENT FILING DATE: 2001-01-12
; PRIOR APPLICATION NUMBER: 09/060,756
; PRIOR FILING DATE: 1998-04-16
; NUMBER OF SEQ ID NOS: 743
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 526
; LENGTH: 173
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
US-09-670-314-526
```

```
Query Match          92.4%; Score 19.4; DB 3; Length 173;
Best Local Similarity 95.2%; Pred. No. 19;
Matches 20; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

QY 1 AGCGATGAGAGAGTGGCGC 21

Db 54 AGCGATGAGAGAGTGGCGC 34

```
RESULT 7
US-09-060-756-597/C
; Sequence 597, Application US/09060756
; Patent No. 6183957
; GENERAL INFORMATION:
; APPLICANT: Cole, Stewart
; APPLICANT: Buchrieser-Brosch, Roland
; APPLICANT: Gordon, Stephen
; APPLICANT: Billault, Alain
; TITLE OF INVENTION: METHOD FOR ISOLATING A POLYNUCLEOTIDE OF INTEREST FROM
; TITLE OF INVENTION: THE GENOME OF A MYCOBACTERIUM USING A BAC-BASED DNA
; TITLE OF INVENTION: LIBRARY APPLICATION TO THE DETECTION OF MYCOBACTERIA
; FILE REFERENCE: 3495-0169
; CURRENT APPLICATION NUMBER: US/09/060,756
; CURRENT FILING DATE: 1998-04-16
```

```

; NUMBER OF SEQ ID NOS: 743
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 597
; LENGTH: 234
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
US-09-060-756-597

Query Match          92.4%; Score 19.4; DB 3; Length 234;
Best Local Similarity 95.2%; Pred. No. 20;
Matches 20; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1 AGCGATGAGGAGGAGTGGCGC 21
DB      62 AGCGATGAGGAGGAGCGCGC 42

RESULT 8
US-09-670-314-597/c
; Sequence 597, Application US/09670314
; Patent No. 6492506
; GENERAL INFORMATION:
; APPLICANT: Cole, Stewart
; APPLICANT: Buchrieser-Brosch, Roland
; APPLICANT: Gordon, Stephen
; APPLICANT: Billault, Alain
; TITLE OF INVENTION: METHOD FOR ISOLATING A POLYNUCLEOTIDE OF INTEREST FROM
; TITLE OF INVENTION: THE GENOME OF A MYCOBACTERIUM USING A BAC-BASED DNA
; FILE REFERENCE: 3495-0169
; CURRENT APPLICATION NUMBER: US/09/670,314
; CURRENT FILING DATE: 2001-01-12
; PRIOR APPLICATION NUMBER: 09/060,756
; PRIOR FILING DATE: 1998-04-16
; NUMBER OF SEQ ID NOS: 743
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 597
; LENGTH: 234
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
US-09-670-314-597

Query Match          92.4%; Score 19.4; DB 3; Length 234;
Best Local Similarity 95.2%; Pred. No. 20;
Matches 20; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1 AGCGATGAGGAGGAGTGGCGC 21
DB      62 AGCGATGAGGAGGAGCGCGC 42

RESULT 9
US-09-060-756-586/c
; Sequence 586, Application US/09060756
; Patent No. 6183957
; GENERAL INFORMATION:
; APPLICANT: Cole, Stewart
; APPLICANT: Buchrieser-Brosch, Roland
; APPLICANT: Gordon, Stephen
; APPLICANT: Billault, Alain
; TITLE OF INVENTION: METHOD FOR ISOLATING A POLYNUCLEOTIDE OF INTEREST FROM
; TITLE OF INVENTION: THE GENOME OF A MYCOBACTERIUM USING A BAC-BASED DNA
; FILE REFERENCE: 3495-0169
; CURRENT APPLICATION NUMBER: US/09/060,756
; CURRENT FILING DATE: 1998-04-16
; NUMBER OF SEQ ID NOS: 743
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 586
; LENGTH: 241
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
US-09-060-756-586
```

```

Query Match          92.4%; Score 19.4; DB 3; Length 241;
Best Local Similarity 95.2%; Pred. No. 20;
Matches 20; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1 AGCGATGAGGAGGAGTGGCGC 21
DB      42 AGCGATGAGGAGGAGCGCGC 22

RESULT 10
US-09-670-314-586/c
; Sequence 586, Application US/09670314
; Patent No. 6492506
; GENERAL INFORMATION:
; APPLICANT: Cole, Stewart
; APPLICANT: Buchrieser-Brosch, Roland
; APPLICANT: Gordon, Stephen
; APPLICANT: Billault, Alain
; TITLE OF INVENTION: METHOD FOR ISOLATING A POLYNUCLEOTIDE OF INTEREST FROM
; TITLE OF INVENTION: THE GENOME OF A MYCOBACTERIUM USING A BAC-BASED DNA
; FILE REFERENCE: 3495-0169
; CURRENT APPLICATION NUMBER: US/09/670,314
; CURRENT FILING DATE: 2001-01-12
; PRIOR APPLICATION NUMBER: 09/060,756
; PRIOR FILING DATE: 1998-04-16
; NUMBER OF SEQ ID NOS: 743
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 586
; LENGTH: 241
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
US-09-670-314-586

Query Match          92.4%; Score 19.4; DB 3; Length 241;
Best Local Similarity 95.2%; Pred. No. 20;
Matches 20; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1 AGCGATGAGGAGGAGTGGCGC 21
DB      42 AGCGATGAGGAGGAGCGCGC 22

RESULT 11
US-09-470-191-25/c
; Sequence 25, Application US/09470191
; Patent No. 645633
; GENERAL INFORMATION:
; APPLICANT: Skeiky, Yasir
; APPLICANT: Corixa Corporation
; TITLE OF INVENTION: Compositions and Methods of Their Use in
; TITLE OF INVENTION: the Treatment, Prevention and Diagnosis of Tuberculosis
; FILE REFERENCE: 014058-00810105
; CURRENT APPLICATION NUMBER: US/09/470,191
; CURRENT FILING DATE: 1999-12-23
; PRIOR APPLICATION NUMBER: US 60/113,952
; PRIOR FILING DATE: 1998-12-24
; NUMBER OF SEQ ID NOS: 97
; SOFTWARE: PaateSeq for Windows Version 3.0
; SEQ ID NO 25
; LENGTH: 263
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
; FEATURE:
; NAME/KEY: modified base
; LOCATION: (1)..(263)
; OTHER INFORMATION: n = any nucleotide
US-09-470-191-25

Query Match          92.4%; Score 19.4; DB 3; Length 263;
Best Local Similarity 95.2%; Pred. No. 20;
Matches 20; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

QY 1 AGCGATGAGGAGTGGCGC 21
|||||
Db 222 AGCGATGAGGAGGCGCGC 202

RESULT 12
US-09-060-756-635/c
; Sequence 635, Application US/09060756
; Patent No. 6183957
; GENERAL INFORMATION:
; APPLICANT: Cole, Stewart
; APPLICANT: Buchrieser-Brosch, Roland
; APPLICANT: Gordon, Stephen
; APPLICANT: Billault, Alain
; TITLE OF INVENTION: METHOD FOR ISOLATING A POLYNUCLEOTIDE OF INTEREST FROM
; TITLE OF INVENTION: THE GENOME OF A MYCOBACTERIUM USING A BAC-BASED DNA
; FILE REFERENCE: 3495-0169
; CURRENT APPLICATION NUMBER: US/09/060,756
; CURRENT FILING DATE: 1998-04-16
; NUMBER OF SEQ ID NOS: 743
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 635
; LENGTH: 376
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
US-09-060-756-635

Query Match 92.4%; Score 19.4; DB 3; Length 376;
Best Local Similarity 95.2%; Pred. No. 20;
Matches 20; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 AGCGATGAGGAGTGGCGC 21
|||||
Db 65 AGCGATGAGGAGGCGCGC 45

RESULT 13
US-09-670-314-635/c
; Sequence 635, Application US/09670314
; Patent No. 6492506
; GENERAL INFORMATION:
; APPLICANT: Cole, Stewart
; APPLICANT: Buchrieser-Brosch, Roland
; APPLICANT: Gordon, Stephen
; APPLICANT: Billault, Alain
; TITLE OF INVENTION: METHOD FOR ISOLATING A POLYNUCLEOTIDE OF INTEREST FROM
; TITLE OF INVENTION: THE GENOME OF A MYCOBACTERIUM USING A BAC-BASED DNA
; TITLE OF INVENTION: LIBRARY APPLICATION TO THE DETECTION OF MYCOBACTERIA
; FILE REFERENCE: 3495-0169
; CURRENT APPLICATION NUMBER: US/09/670,314
; CURRENT FILING DATE: 2001-01-12
; PRIOR APPLICATION NUMBER: 09/060,756
; PRIOR FILING DATE: 1998-04-16
; NUMBER OF SEQ ID NOS: 743
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 635
; LENGTH: 376
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
US-09-670-314-635

Query Match 92.4%; Score 19.4; DB 3; Length 376;
Best Local Similarity 95.2%; Pred. No. 20;
Matches 20; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 AGCGATGAGGAGTGGCGC 21
|||||
Db 65 AGCGATGAGGAGGCGCGC 45

RESULT 14

US-09-060-756-521/c
; Sequence 521, Application US/09060756
; Patent No. 6183957
; GENERAL INFORMATION:
; APPLICANT: Cole, Stewart
; APPLICANT: Buchrieser-Brosch, Roland
; APPLICANT: Gordon, Stephen
; APPLICANT: Billault, Alain
; TITLE OF INVENTION: METHOD FOR ISOLATING A POLYNUCLEOTIDE OF INTEREST FROM
; TITLE OF INVENTION: THE GENOME OF A MYCOBACTERIUM USING A BAC-BASED DNA
; FILE REFERENCE: 3495-0169
; CURRENT APPLICATION NUMBER: US/09/060,756
; CURRENT FILING DATE: 1998-04-16
; NUMBER OF SEQ ID NOS: 743
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 521
; LENGTH: 406
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
US-09-060-756-521

Query Match 92.4%; Score 19.4; DB 3; Length 406;
Best Local Similarity 95.2%; Pred. No. 21;
Matches 20; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 AGCGATGAGGAGTGGCGC 21
|||||
Db 37 AGCGATGAGGAGGCGCGC 17

RESULT 15
US-09-670-314-521/c
; Sequence 521, Application US/09670314
; Patent No. 6492506
; GENERAL INFORMATION:
; APPLICANT: Cole, Stewart
; APPLICANT: Buchrieser-Brosch, Roland
; APPLICANT: Gordon, Stephen
; APPLICANT: Billault, Alain
; TITLE OF INVENTION: METHOD FOR ISOLATING A POLYNUCLEOTIDE OF INTEREST FROM
; TITLE OF INVENTION: THE GENOME OF A MYCOBACTERIUM USING A BAC-BASED DNA
; TITLE OF INVENTION: LIBRARY APPLICATION TO THE DETECTION OF MYCOBACTERIA
; FILE REFERENCE: 3495-0169
; CURRENT APPLICATION NUMBER: US/09/670,314
; CURRENT FILING DATE: 2001-01-12
; PRIOR APPLICATION NUMBER: 09/060,756
; PRIOR FILING DATE: 1998-04-16
; NUMBER OF SEQ ID NOS: 743
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 521
; LENGTH: 406
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
US-09-670-314-521

Query Match 92.4%; Score 19.4; DB 3; Length 406;
Best Local Similarity 95.2%; Pred. No. 21;
Matches 20; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 AGCGATGAGGAGTGGCGC 21
|||||
Db 37 AGCGATGAGGAGGCGCGC 17

RESULT 16
US-09-050-739-71
; Sequence 71, Application US/09050739
; Patent No. 6641814
; GENERAL INFORMATION:
; APPLICANT: ANDERSEN, Peter
; APPLICANT: NIELSEN, Rikke
; APPLICANT: OETTINGER, Thomas

APPLICANT: RASMUSSEN, Peter Birk
APPLICANT: ROSENKRANDS, Ida
APPLICANT: WELDINGH, Karin
APPLICANT: FLORIO, Walter
TITLE OF INVENTION: NUCLEIC ACIDS FRAGMENTS AND POLYPEPTIDE FRAGMENTS
TITLE OF INVENTION: DERIVED FROM M. TUBERCULOSIS
FILE REFERENCE: 670001-2002.1
CURRENT APPLICATION NUMBER: US/09/050,739
CURRENT FILING DATE: 1998-03-30
EARLIER APPLICATION NUMBER: 0376/97
EARLIER FILING DATE: 1997-04-02
EARLIER APPLICATION NUMBER: 1277/97
EARLIER FILING DATE: 1997-11-10
EARLIER APPLICATION NUMBER: 60/044,624
EARLIER FILING DATE: 1997-04-18
EARLIER APPLICATION NUMBER: 60/070,488
EARLIER FILING DATE: 1998-01-05
NUMBER OF SEQ ID NOS: 173
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 71
LENGTH: 1890
TYPE: DNA
ORGANISM: Mycobacterium tuberculosis
US-09-050-739-71

Query Match 92.4%; Score 19.4; DB 3; Length 1890;
Best Local Similarity 95.2%; Pred. No. 23;
Matches 20; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 AGCGATGAGGAGGTGCGC 21
DB 3 AGCGATGAGGAGGTGCGC 23

RESULT 17
US-08-390-878-16
Sequence 16, Application US/08390878
Patent No. 5700683
GENERAL INFORMATION:
APPLICANT: Stover, Charles K.
APPLICANT: Mahairas, Gregory G.
TITLE OF INVENTION: VIRULENCE-ATTENUATING GENETIC DELETIONS
NUMBER OF SEQUENCES: 18
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend Kourie and Crew
STREET: One Market Plaza, Stewart Street Tower, 20th
City: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94105
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/390,878
FILING DATE: 17-FEB-1995
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Hunter, Tom
REGISTRATION NUMBER: 38,498
REFERENCE/DOCKET NUMBER: 15371A-17
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/543/9600
TELEFAX: 415/543/5043
INFORMATION FOR SEQ ID NO: 16:
SEQUENCE CHARACTERISTICS:
LENGTH: 16885 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear

MOLECULE TYPE: DNA (genomic)
US-08-390-878-16

Query Match 92.4%; Score 19.4; DB 2; Length 16885;
Best Local Similarity 95.2%; Pred. No. 27;
Matches 20; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 AGCGATGAGGAGGTGCGC 21
DB 813 AGCGATGAGGAGGTGCGC 833

RESULT 18
US-08-311-731A-1
Sequence 1, Application US/08311731A
Patent No. 6583266
GENERAL INFORMATION:
APPLICANT: SMITH, DOUGLAS
APPLICANT: MAO, JEN-I
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES
TITLE OF INVENTION: RELATING TO MYCOBACTERIUM TUBERCULOSIS AND LAPRAE FOR
TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
NUMBER OF SEQUENCES: 411
CORRESPONDENCE ADDRESS:
ADDRESSEE: WOLF, GREENFIELD & SACKS, P.C.
STREET: 600 ATLANTIC AVENUE
CITY: BOSTON
STATE: MASSACHUSETTS
COUNTRY: USA
ZIP: 02210

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/311,731A
FILING DATE:
CLASSIFICATION: 530

ATTORNEY/AGENT INFORMATION:
NAME: GATES, EDWARD R.
REGISTRATION NUMBER: 31,616
REFERENCE/DOCKET NUMBER: C0044/7125
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617/720-3500
TELEFAX: 617/720-2441
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 32155 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: circular
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: MYCOBACTERIUM TUBERCULOSIS
US-08-311-731A-1

Query Match 92.4%; Score 19.4; DB 3; Length 32155;
Best Local Similarity 95.2%; Pred. No. 29;
Matches 20; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 AGCGATGAGGAGGTGCGC 21
DB 5767 AGCGATGAGGAGGTGCGC 5787

RESULT 19
US-09-103-840A-2/c
Sequence 2, Application US/09103840A
Patent No. 6294328
GENERAL INFORMATION:

APPLICANT: FLEISCHMAN, Robert D.
APPLICANT: WHITE, Owen R.
APPLICANT: FRASER, Claire M.
APPLICANT: VENTER, John C.
TITLE OF INVENTION: DNA SEQUENCES FOR STRAIN ANALYSIS IN MYCOBACTERIUM
FILE REFERENCE: 24366-20007.00
CURRENT APPLICATION NUMBER: US/09/103,840A
CURRENT FILING DATE: 1998-06-24
NUMBER OF SEQ ID NOS: 2
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 2
LENGTH: 4403765
TYPE: DNA
ORGANISM: Mycobacterium tuberculosis
FEATURE:
OTHER INFORMATION: CDC 1551
OTHER INFORMATION: "n" bases at various positions throughout the sequence
OTHER INFORMATION: represent a, t, c or g
US-09-103-840A-2

Query Match 92.4%; Score 19.4; DB 3; Length 4403765;
Best Local Similarity 95.2%; Pred. No. 40;
Matches 20; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 AGCGATGAGGAGGTGGCGC 21
DB 267897 AGCGATGAGGAGGTGGCGC 267877

RESULT 20
US-09-103-840A-1/C
Sequence 1, Application US/09103840A
Patent No. 6294328
GENERAL INFORMATION:
APPLICANT: FLEISCHMAN, Robert D.
APPLICANT: WHITE, Owen R.
APPLICANT: FRASER, Claire M.
APPLICANT: VENTER, John C.
TITLE OF INVENTION: DNA SEQUENCES FOR STRAIN ANALYSIS IN MYCOBACTERIUM
FILE REFERENCE: 24366-20007.00
CURRENT APPLICATION NUMBER: US/09/103,840A
CURRENT FILING DATE: 1998-06-24
NUMBER OF SEQ ID NOS: 2
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 1
LENGTH: 4411529
TYPE: DNA
ORGANISM: Mycobacterium tuberculosis
OTHER INFORMATION: H37RV
US-09-103-840A-1

Query Match 92.4%; Score 19.4; DB 3; Length 4411529;
Best Local Similarity 95.2%; Pred. No. 40;
Matches 20; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 AGCGATGAGGAGGTGGCGC 21
DB 267785 AGCGATGAGGAGGTGGCGC 267765

RESULT 21
US-09-949-016-63755
Sequence 63755, Application US/09949016
Patent No. 6812339
GENERAL INFORMATION:
APPLICANT: VENTER, J. Craig et al.
TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
FILE REFERENCE: CL0001307
CURRENT APPLICATION NUMBER: US/09/949,016
CURRENT FILING DATE: 2000-04-14

PRIOR APPLICATION NUMBER: 60/241,755
PRIOR FILING DATE: 2000-10-20
PRIOR APPLICATION NUMBER: 60/237,768
PRIOR FILING DATE: 2000-10-03
PRIOR APPLICATION NUMBER: 60/231,498
PRIOR FILING DATE: 2000-09-08
NUMBER OF SEQ ID NOS: 207012
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 63755
LENGTH: 601
TYPE: DNA
ORGANISM: Human
US-09-949-016-63755

Query Match 84.8%; Score 17.8; DB 3; Length 601;
Best Local Similarity 90.5%; Pred. No. 1e+02;
Matches 19; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 AGCGATGAGGAGGTGGCGC 21
DB 23 AGCGATGAGGAGGTGGCTC 43

RESULT 22
US-08-311-731A-13/C
Sequence 133, Application US/08311731A
Patent No. 6583266
GENERAL INFORMATION:
APPLICANT: SMITH, DOUGLAS
APPLICANT: MAO, JEN-I
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES
RELATING TO MYCOBACTERIUM TUBERCULOSIS AND LAPRAE FOR
DIAGNOSTICS AND THERAPEUTICS
NUMBER OF SEQUENCES: 411
CORRESPONDENCE ADDRESSES:
ADDRESSEE: WOLF, GREENFIELD & SACKS, P.C.
STREET: 600 ATLANTIC AVENUE
CITY: BOSTON
STATE: MASSACHUSETTS
COUNTRY: USA
ZIP: 02210
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
OPERATING SYSTEM: IBM PC compatible
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/311,731A
FILING DATE:
CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: GATES, EDWARD R.
REGISTRATION NUMBER: 31,616
REFERENCE/DOCKET NUMBER: C0044/7125
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617/720-3500
TELEFAX: 617/720-2441
INFORMATION FOR SEQ ID NO: 133:
SEQUENCE CHARACTERISTICS:
LENGTH: 39195 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: circular
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: MYCOBACTERIUM LAPRAE
US-08-311-731A-13

Query Match 84.8%; Score 17.8; DB 3; Length 39195;
Best Local Similarity 90.5%; Pred. No. 1.4e+02;
Matches 19; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 AGCGATGAGGAGAGTGGCCG 21
Db 22028 AGCGATGAGGAGAGTGGTGC 22008

RESULT 23

US-08-311-731A-128/C
Sequence 128, Application US/08311731A
Patent No. 6583266
GENERAL INFORMATION:
APPLICANT: SMITH, DOUGLAS
APPLICANT: MAO, JEN-I
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES
TITLE OF INVENTION: RELATING TO MYCOBACTERIUM TUBERCULOSIS AND LAPRAE FOR
TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
NUMBER OF SEQUENCES: 411
CORRESPONDENCE ADDRESS:
ADDRESSEE: WOLF, GREENFIELD & SACKS, P.C.
STREET: 600 ATLANTIC AVENUE
CITY: BOSTON
STATE: MASSACHUSETTS
COUNTRY: USA
ZIP: 02210
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/311,731A
FILING DATE:
CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: GATES, EDWARD R.
REGISTRATION NUMBER: 31,616
REFERENCE/DOCKET NUMBER: C0044/7125
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617/720-3500
TELEFAX: 617/720-2441
INFORMATION FOR SEQ ID NO: 128:
SEQUENCE CHARACTERISTICS:
LENGTH: 42988 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: circular
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: MYCOBACTERIUM LEPRAE
US-08-311-731A-128

Query Match 84.8%; Score 17.8; DB 3; Length 42988;
Best Local Similarity 90.5%; Pred. No. 1.5e+02;
Matches 19; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 AGCGATGAGGAGAGTGGCCG 21
Db 5556 AGCGATGCGAGAGAGTGGTGC 5536

RESULT 24
US-09-949-016-11844/C
Sequence 11844, Application US/09949016
Patent No. 6812339
GENERAL INFORMATION:
APPLICANT: VENTER, J. Craig et al.
TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
FILE REFERENCE: C1001307
CURRENT APPLICATION NUMBER: US/09/949,016
CURRENT FILING DATE: 2000-04-14

PRIOR APPLICATION NUMBER: 60/241,755
PRIOR FILING DATE: 2000-10-20
PRIOR APPLICATION NUMBER: 60/237,768
PRIOR FILING DATE: 2000-10-03
PRIOR APPLICATION NUMBER: 60/231,498
PRIOR FILING DATE: 2000-09-08
NUMBER OF SEQ ID NOS: 207012
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 11844
LENGTH: 119981
TYPE: DNA
ORGANISM: Human
US-09-949-016-11844

Query Match 84.8%; Score 17.8; DB 3; Length 119981;
Best Local Similarity 90.5%; Pred. No. 1.6e+02;
Matches 19; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 AGCGATGAGGAGAGTGGCCG 21
Db 56153 AGCGATGAGGAGAGTGGCTC 56133

RESULT 25
US-09-949-016-13606/C
Sequence 13606, Application US/09949016
Patent No. 6812339
GENERAL INFORMATION:
APPLICANT: VENTER, J. Craig et al.
TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
FILE REFERENCE: C1001307
CURRENT APPLICATION NUMBER: US/09/949,016
CURRENT FILING DATE: 2000-04-14
PRIOR APPLICATION NUMBER: 60/241,755
PRIOR FILING DATE: 2000-10-20
PRIOR APPLICATION NUMBER: 60/237,768
PRIOR FILING DATE: 2000-10-03
PRIOR APPLICATION NUMBER: 60/231,498
PRIOR FILING DATE: 2000-09-08
NUMBER OF SEQ ID NOS: 207012
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 13606
LENGTH: 119982
TYPE: DNA
ORGANISM: Human
US-09-949-016-13606

Query Match 84.8%; Score 17.8; DB 3; Length 119982;
Best Local Similarity 90.5%; Pred. No. 1.6e+02;
Matches 19; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 AGCGATGAGGAGAGTGGCCG 21
Db 56153 AGCGATGAGGAGAGTGGCTC 56133

RESULT 26
US-09-016-434-893
Sequence 893, Application US/09016434
Patent No. 6500938
GENERAL INFORMATION:
APPLICANT: Janice Au-Young
APPLICANT: Jeffrey J. Seilhamer
TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF SIGNALING
TITLE OF INVENTION: PATHWAY GENE EXPRESSION
NUMBER OF SEQUENCES: 1490
CORRESPONDENCE ADDRESS:
ADDRESSEE: INCYTE PHARMACEUTICALS, INC.
STREET: 3174 PORTER DRIVE
CITY: PALO ALTO
STATE: CALIFORNIA
COUNTRY: USA

ZIP: 94304
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/016,434
FILING DATE: HERewith
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Zeller, Karen J
REGISTRATION NUMBER: 37,071
REFERENCE/DOCKET NUMBER: PA-0002 US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (650) 855-0555
TELEFAX: (650) 845-4166
INFORMATION FOR SEQ. ID NO: 893:
SEQUENCE CHARACTERISTICS:
LENGTH: 280 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
IMMEDIATE SOURCE:
LIBRARY: SYNORAT03
CLONE: 696484
US-09-016-434-893

Query Match 81.0%; Score 17; DB 3; Length 280;
Best Local Similarity 100.0%; Pred. No. 2.2e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 AGCGATGAGGAGGTG 17
Db 154 AGCGATGAGGAGGTG 170

RESULT 27
US-09-148-545-24
Sequence 24, Application US/09148545
Patent No. 6590075
GENERAL INFORMATION:
APPLICANT: Rosen et al.
TITLE OF INVENTION: 70 Human Secreted Proteins
FILE REFERENCE: P2001P1
CURRENT APPLICATION NUMBER: US/09/148,545
EARLIER APPLICATION NUMBER: PCT/US98/04482
EARLIER FILING DATE: 1998-03-06
EARLIER APPLICATION NUMBER: 60/040,162
EARLIER FILING DATE: 1997-03-07
EARLIER APPLICATION NUMBER: 60/040,333
EARLIER FILING DATE: 1997-03-07
EARLIER APPLICATION NUMBER: 60/038,621
EARLIER FILING DATE: 1997-03-07
EARLIER APPLICATION NUMBER: 60/040,161
EARLIER FILING DATE: 1997-03-07
EARLIER APPLICATION NUMBER: 60/040,626
EARLIER FILING DATE: 1997-03-07
EARLIER APPLICATION NUMBER: 60/040,334
EARLIER FILING DATE: 1997-03-07
EARLIER APPLICATION NUMBER: 60/040,336
EARLIER FILING DATE: 1997-03-07
EARLIER APPLICATION NUMBER: 60/040,163
EARLIER FILING DATE: 1997-03-07
EARLIER APPLICATION NUMBER: 60/047,615
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,600
EARLIER FILING DATE: 1997-05-23

EARLIER APPLICATION NUMBER: 60/047,597
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,502
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,633
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,583
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,617
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,618
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,503
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,592
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,581
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,584
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,500
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,587
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,492
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,598
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,613
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,582
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,596
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,612
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,632
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,601
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/043,580
EARLIER FILING DATE: 1997-04-11
EARLIER APPLICATION NUMBER: 60/043,568
EARLIER FILING DATE: 1997-04-11
EARLIER APPLICATION NUMBER: 60/043,314
EARLIER FILING DATE: 1997-04-11
EARLIER APPLICATION NUMBER: 60/043,569
EARLIER FILING DATE: 1997-04-11
EARLIER APPLICATION NUMBER: 60/043,311
EARLIER FILING DATE: 1997-04-11
EARLIER APPLICATION NUMBER: 60/043,671
EARLIER FILING DATE: 1997-04-11
EARLIER APPLICATION NUMBER: 60/043,674
EARLIER FILING DATE: 1997-04-11
EARLIER APPLICATION NUMBER: 60/043,669
EARLIER FILING DATE: 1997-04-11
EARLIER APPLICATION NUMBER: 60/043,312
EARLIER FILING DATE: 1997-04-11
EARLIER APPLICATION NUMBER: 60/043,313
EARLIER FILING DATE: 1997-04-11
EARLIER APPLICATION NUMBER: 60/043,672
EARLIER FILING DATE: 1997-04-11
EARLIER APPLICATION NUMBER: 60/043,315
EARLIER FILING DATE: 1997-04-11
EARLIER APPLICATION NUMBER: 60/048,974
EARLIER FILING DATE: 1997-06-06
EARLIER APPLICATION NUMBER: 60/056,886
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,877
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,889
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,893

EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,630
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,878
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,662
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,872
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,882
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,637
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,903
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,888
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,879
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,880
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,894
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,911
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,636
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,874
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,910
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,864
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,631
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,845
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,892
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/047,595
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/057,761
EARLIER FILING DATE: 05-Sep-1997
EARLIER APPLICATION NUMBER: 60/047,599
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,588
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,585
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,586
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,590
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,594
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,589
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,593
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,614
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/043,578
EARLIER FILING DATE: 1997-04-11
EARLIER APPLICATION NUMBER: 60/043,576
EARLIER FILING DATE: 1997-04-11
EARLIER APPLICATION NUMBER: 60/047,501
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/043,670
EARLIER FILING DATE: 1997-04-11
EARLIER APPLICATION NUMBER: 60/056,632
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,664
EARLIER FILING DATE: 1997-08-22

EARLIER APPLICATION NUMBER: 60/056,876
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,881
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,909
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,875
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,862
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,887
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,908
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/048,964
EARLIER FILING DATE: 1997-06-06
EARLIER APPLICATION NUMBER: 60/057,650
EARLIER FILING DATE: 1997-09-05
EARLIER APPLICATION NUMBER: 60/056,884
EARLIER FILING DATE: 1997-08-22
NUMBER OF SEQ ID NOS: 280
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 24
LENGTH: 796

Query Match 81.0%; Score 17; DB 3; Length 796;
Best Local Similarity 100.0%; Pred. No. 2.4e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 AGCGATGAGGAGAGTG 17
Db 246 AGCGATGAGGAGAGTG 262

RESULT 28
US-09-621-011-24
Sequence 24, Application US/09621011
Patent No. 6878687
GENERAL INFORMATION:
APPLICANT: Rosen et al.
TITLE OF INVENTION: 70 Human Secreted Proteins
FILE REFERENCE: P2001P1
CURRENT APPLICATION NUMBER: US/09/621,011
CURRENT FILING DATE: 2000-07-20
Prior application data removed - consult PALM or file wrapper
NUMBER OF SEQ ID NOS: 280
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 24
LENGTH: 796
TYPE: DNA
ORGANISM: Homo sapiens
US-09-621-011-24

Query Match 81.0%; Score 17; DB 3; Length 796;
Best Local Similarity 100.0%; Pred. No. 2.4e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 AGCGATGAGGAGAGTG 17
Db 246 AGCGATGAGGAGAGTG 262

RESULT 29
US-09-148-545-89
Sequence 89, Application US/09148545
Patent No. 6590075
GENERAL INFORMATION:
APPLICANT: Rosen et al.
TITLE OF INVENTION: 70 Human Secreted Proteins
FILE REFERENCE: P2001P1
CURRENT APPLICATION NUMBER: US/09/148,545
CURRENT FILING DATE: 1998-09-04
EARLIER APPLICATION NUMBER: PCT/US98/04482


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; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,594
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,589
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,593
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,614
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/043,578
; EARLIER FILING DATE: 1997-04-11
; EARLIER APPLICATION NUMBER: 60/043,576
; EARLIER FILING DATE: 1997-04-11
; EARLIER APPLICATION NUMBER: 60/047,501
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/043,670
; EARLIER FILING DATE: 1997-04-11
; EARLIER APPLICATION NUMBER: 60/056,632
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/056,664
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/056,876
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/056,881
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/056,909
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/056,875
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/056,862
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/056,887
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/056,908
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/048,964
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/057,650
; EARLIER FILING DATE: 1997-09-05
; EARLIER APPLICATION NUMBER: 60/056,884
; EARLIER FILING DATE: 1997-08-22
; NUMBER OF SEQ ID NOS: 260
; SOFTWARE: Patentn Ver. 2.0
; SEQ ID NO 89
; LENGTH: 855

Query Match      81.0%; Score 17; DB 3; Length 855;
Best Local Similarity 100.0%; Pred. No. 2.4e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 AGCGATGAGGAGGAGTG 17
Db      124 AGCGATGAGGAGGAGTG 140

RESULT 30
US-09-621-011-89
; Sequence 89, Application US/09621011
; Patent No. 6878687
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: 70 Human Secreted Proteins
; FILE REFERENCE: P2001P1
; CURRENT APPLICATION NUMBER: US/09/621,011
; CURRENT FILING DATE: 2000-07-20
; Prior application data removed - consult PALM or file wrapper
; NUMBER OF SEQ ID NOS: 280
; SOFTWARE: Patentn Ver. 2.0
; SEQ ID NO 89
; LENGTH: 855
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
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; NAME/KEY: SITE
; LOCATION: (103)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: SITE
; LOCATION: (767)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: SITE
; LOCATION: (831)
; OTHER INFORMATION: n equals a,t,g, or c
US-09-621-011-89

Query Match      81.0%; Score 17; DB 3; Length 855;
Best Local Similarity 100.0%; Pred. No. 2.4e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 AGCGATGAGGAGGAGTG 17
Db      124 AGCGATGAGGAGGAGTG 140

RESULT 31
US-09-907-794A-126
; Sequence 126, Application US/09907794A
; Patent No. 6635468
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gertsen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Kijavlin, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/907,794A
; CURRENT FILING DATE: 2001-07-17
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-10-05
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; PRIOR APPLICATION NUMBER: PCT/US99/28214
; PRIOR FILING DATE: 1999-11-29
; PRIOR APPLICATION NUMBER: PCT/US99/28313
; PRIOR FILING DATE: 1999-11-30
; PRIOR APPLICATION NUMBER: PCT/US99/28564
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/28565
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: PCT/US99/30911
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US99/30999
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; PRIOR FILING DATE: 2000-01-05
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 126
; LENGTH: 1210
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-09-907-794A-126

Query Match      81.0%; Score 17; DB 3; Length 1210;
Best Local Similarity 100.0%; Pred. No. 2.4e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 AGCGATGAGGAGGATG 17
DB      282 AGCGATGAGGAGGATG 298

RESULT 32
US-09-905-125A-126
; Sequence 126, Application US/09905125A
; Patent No. 6664376
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Batton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerltsen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Kijavlin, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/905,125A
; PRIOR FILING DATE: 2001-07-12
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
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; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: PCT/US99/28214
; PRIOR FILING DATE: 1999-11-29
; PRIOR APPLICATION NUMBER: PCT/US99/28313
; PRIOR FILING DATE: 1999-11-30
; PRIOR APPLICATION NUMBER: PCT/US99/28564
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/28565
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: PCT/US99/30911
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US99/30999
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; PRIOR FILING DATE: 2000-01-05
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 126
; LENGTH: 1210
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-09-905-125A-126

Query Match      81.0%; Score 17; DB 3; Length 1210;
Best Local Similarity 100.0%; Pred. No. 2.4e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 AGCGATGAGGAGGATG 17
DB      282 AGCGATGAGGAGGATG 298

RESULT 33
US-09-902-775A-126
; Sequence 126, Application US/09902775A
; Patent No. 6686451
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Batton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerltsen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Kijavlin, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
```

```

; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/902,775A
; CURRENT FILING DATE: 2001-07-10
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: PCT/US99/28214
; PRIOR FILING DATE: 1999-11-29
; PRIOR APPLICATION NUMBER: PCT/US99/28313
; PRIOR FILING DATE: 1999-11-30
; PRIOR APPLICATION NUMBER: PCT/US99/28564
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/28565
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: PCT/US99/30911
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US99/30999
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; PRIOR FILING DATE: 2000-01-05
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 126
; LENGTH: 1210
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-09-902-775A-126

Query Match      81.0%; Score 17; DB 3; Length 1210;
Best Local Similarity 100.0%; Pred. No. 2,4e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 AGCGATGAGGAGGATG 17
Db      282 AGCGATGAGGAGGATG 298

RESULT 34
; Sequence 126, Application US/09906700
; Patent No. 6723535
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Deenoyere, Luc
; APPLICANT: Baton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gettleisen, Mary E.
; APPLICANT: Goddard, A.
```

```

; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Kijavlin, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tuma, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/906,700
; CURRENT FILING DATE: 2000-09-18
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: PCT/US99/28214
; PRIOR FILING DATE: 1999-11-29
; PRIOR APPLICATION NUMBER: PCT/US99/28313
; PRIOR FILING DATE: 1999-11-30
; PRIOR APPLICATION NUMBER: PCT/US99/28564
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/28565
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: PCT/US99/30911
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US99/30999
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; PRIOR FILING DATE: 2000-01-05
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 126
; LENGTH: 1210
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-09-906-700-126

Query Match      81.0%; Score 17; DB 3; Length 1210;
Best Local Similarity 100.0%; Pred. No. 2,4e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 AGCGATGAGGAGGATG 17
Db      282 AGCGATGAGGAGGATG 298

RESULT 35
; Sequence 126, Application US/09903603A
; Patent No. 676795
; GENERAL INFORMATION:
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/ APPLICANT: Genentech, Inc.
/ APPLICANT: Ashkenazi, Avi
/ APPLICANT: Botstein, David
/ APPLICANT: Desnoyers, Luc
/ APPLICANT: Eaton, Dan L.
/ APPLICANT: Ferrara, Napoleone
/ APPLICANT: Filvaroff, Ellen
/ APPLICANT: Fong, Sherman
/ APPLICANT: Gao, Wei-Qiang
/ APPLICANT: Gerber, Hanspeter
/ APPLICANT: Gerltisen, Mary E.
/ APPLICANT: Goddard, A.
/ APPLICANT: Godowski, Paul J.
/ APPLICANT: Grimaldi, Christopher J.
/ APPLICANT: Gurney, Austin L.
/ APPLICANT: Hillan, Kenneth, J.
/ APPLICANT: Kijavin, Ivar J.
/ APPLICANT: Mather, Jennie P.
/ APPLICANT: Paoni, James
/ APPLICANT: Paoni, Nicholas F.
/ APPLICANT: Roy, Margaret Ann
/ APPLICANT: Stewart, Timothy A.
/ APPLICANT: Tumas, Daniel
/ APPLICANT: Williams, P. Mickey
/ APPLICANT: Wood, William, I.
/ TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
/ FILE REFERENCE: GNE.1618P2C12
/ CURRENT APPLICATION NUMBER: US/09/903,603A
/ PRIOR FILING DATE: 2001-07-11
/ PRIOR APPLICATION NUMBER: PCT/US00/04414
/ PRIOR FILING DATE: 2000-02-22
/ PRIOR APPLICATION NUMBER: US 60/143,048
/ PRIOR FILING DATE: 1999-07-07
/ PRIOR APPLICATION NUMBER: US 60/145,698
/ PRIOR FILING DATE: 1999-07-26
/ PRIOR APPLICATION NUMBER: US 60/146,222
/ PRIOR FILING DATE: 1999-07-28
/ PRIOR APPLICATION NUMBER: PCT/US99/20594
/ PRIOR FILING DATE: 1999-09-08
/ PRIOR APPLICATION NUMBER: PCT/US99/20944
/ PRIOR FILING DATE: 1999-09-13
/ PRIOR APPLICATION NUMBER: PCT/US99/21090
/ PRIOR FILING DATE: 1999-09-15
/ PRIOR APPLICATION NUMBER: PCT/US99/21547
/ PRIOR FILING DATE: 1999-09-15
/ PRIOR APPLICATION NUMBER: PCT/US99/23089
/ PRIOR FILING DATE: 1999-10-05
/ PRIOR APPLICATION NUMBER: PCT/US99/28214
/ PRIOR FILING DATE: 1999-11-29
/ PRIOR APPLICATION NUMBER: PCT/US99/28313
/ PRIOR FILING DATE: 1999-11-30
/ PRIOR APPLICATION NUMBER: PCT/US99/28564
/ PRIOR FILING DATE: 1999-12-02
/ PRIOR APPLICATION NUMBER: PCT/US99/28565
/ PRIOR FILING DATE: 1999-12-02
/ PRIOR APPLICATION NUMBER: PCT/US99/30095
/ PRIOR FILING DATE: 1999-12-16
/ PRIOR APPLICATION NUMBER: PCT/US99/30911
/ PRIOR FILING DATE: 1999-12-20
/ PRIOR APPLICATION NUMBER: PCT/US99/30999
/ PRIOR FILING DATE: 1999-12-20
/ PRIOR APPLICATION NUMBER: PCT/US00/00219
/ PRIOR FILING DATE: 2000-01-05
/ NUMBER OF SEQ ID NOS: 423
/ SEQ ID NO 126
/ LENGTH: 1210
/ TYPE: DNA
/ ORGANISM: Homo sapiens
/ US-09-903-603A-126

Query Match      81.0%; Score 17; DB 3; Length 1210;
Best Local Similarity 100.0%; Pred. No. 2.4e+02;

Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY      1 AGCGATGAGAGGATG 17
Db      282 AGCGATGAGAGGATG 298

RESULT 36
/ US-09-904-920A-126
/ Sequence 126, Application US/09904920A
/ Patent No. 6806352
/ GENERAL INFORMATION:
/ APPLICANT: Genentech, Inc.
/ APPLICANT: Ashkenazi, Avi
/ APPLICANT: Botstein, David
/ APPLICANT: Desnoyers, Luc
/ APPLICANT: Eaton, Dan L.
/ APPLICANT: Ferrara, Napoleone
/ APPLICANT: Filvaroff, Ellen
/ APPLICANT: Fong, Sherman
/ APPLICANT: Gao, Wei-Qiang
/ APPLICANT: Gerber, Hanspeter
/ APPLICANT: Gerltisen, Mary E.
/ APPLICANT: Goddard, A.
/ APPLICANT: Godowski, Paul J.
/ APPLICANT: Grimaldi, Christopher J.
/ APPLICANT: Gurney, Austin L.
/ APPLICANT: Hillan, Kenneth, J.
/ APPLICANT: Kijavin, Ivar J.
/ APPLICANT: Mather, Jennie P.
/ APPLICANT: Paoni, James
/ APPLICANT: Paoni, Nicholas F.
/ APPLICANT: Roy, Margaret Ann
/ APPLICANT: Stewart, Timothy A.
/ APPLICANT: Tumas, Daniel
/ APPLICANT: Williams, P. Mickey
/ APPLICANT: Wood, William, I.
/ TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
/ FILE REFERENCE: 10466-14
/ CURRENT APPLICATION NUMBER: US/09/904,920A
/ PRIOR FILING DATE: 2001-07-13
/ PRIOR APPLICATION NUMBER: PCT/US00/04414
/ PRIOR FILING DATE: 2000-02-22
/ PRIOR APPLICATION NUMBER: US 60/143,048
/ PRIOR FILING DATE: 1999-07-07
/ PRIOR APPLICATION NUMBER: US 60/145,698
/ PRIOR FILING DATE: 1999-07-26
/ PRIOR APPLICATION NUMBER: US 60/146,222
/ PRIOR FILING DATE: 1999-07-28
/ PRIOR APPLICATION NUMBER: PCT/US99/20594
/ PRIOR FILING DATE: 1999-09-08
/ PRIOR APPLICATION NUMBER: PCT/US99/20944
/ PRIOR FILING DATE: 1999-09-13
/ PRIOR APPLICATION NUMBER: PCT/US99/21090
/ PRIOR FILING DATE: 1999-09-15
/ PRIOR APPLICATION NUMBER: PCT/US99/21547
/ PRIOR FILING DATE: 1999-09-15
/ PRIOR APPLICATION NUMBER: PCT/US99/23089
/ PRIOR FILING DATE: 1999-10-05
/ PRIOR APPLICATION NUMBER: PCT/US99/28313
/ PRIOR FILING DATE: 1999-11-29
/ PRIOR APPLICATION NUMBER: PCT/US99/28214
/ PRIOR FILING DATE: 1999-11-30
/ PRIOR APPLICATION NUMBER: PCT/US99/28564
/ PRIOR FILING DATE: 1999-12-02
/ PRIOR APPLICATION NUMBER: PCT/US99/28565
/ PRIOR FILING DATE: 1999-12-02
/ PRIOR APPLICATION NUMBER: PCT/US99/30095
/ PRIOR FILING DATE: 1999-12-16
/ PRIOR APPLICATION NUMBER: PCT/US99/30911
/ PRIOR FILING DATE: 1999-12-20
/ PRIOR APPLICATION NUMBER: PCT/US99/30999
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; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; PRIOR FILING DATE: 2000-01-05
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 126
; LENGTH: 1210
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-904-920A-126

Query Match      81.0%; Score 17; DB 3; Length 1210;
Best Local Similarity 100.0%; Pred. No. 2.4e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 AGCGATGAGGAGAGTG 17
Db      282 AGCGATGAGGAGAGTG 298

RESULT 37
US-09-909-064-126
; Sequence 126, Application US/09909064
; Patent No. 6818449
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Baton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerltsen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/909,064
; PRIOR FILING DATE: 2001-07-18
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: PCT/US99/28214
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; PRIOR FILING DATE: 1999-11-29
; PRIOR APPLICATION NUMBER: PCT/US99/28313
; PRIOR FILING DATE: 1999-11-30
; PRIOR APPLICATION NUMBER: PCT/US99/28564
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/28565
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: PCT/US99/30911
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US99/30999
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; PRIOR FILING DATE: 2000-01-05
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 126
; LENGTH: 1210
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-909-064-126

Query Match      81.0%; Score 17; DB 3; Length 1210;
Best Local Similarity 100.0%; Pred. No. 2.4e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 AGCGATGAGGAGAGTG 17
Db      282 AGCGATGAGGAGAGTG 298

RESULT 38
US-09-905-381A-126
; Sequence 126, Application US/09905381A
; Patent No. 6818746
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Baton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerltsen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/905,381A
; PRIOR FILING DATE: 2001-07-13
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
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      TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
      FILE OF INVENTION: Acids Encoding the Same
      FILE REFERENCE: 10466-14
      CURRENT FILING DATE: 2001-07-16
      PRIOR APPLICATION NUMBER: PCT/US00/04414
      PRIOR FILING DATE: 2000-02-22
      PRIOR APPLICATION NUMBER: US 60/143, 048
      PRIOR FILING DATE: 1999-07-07
      PRIOR APPLICATION NUMBER: US 60/145, 698
      PRIOR FILING DATE: 1999-07-26
      PRIOR APPLICATION NUMBER: US 60/146, 222
      PRIOR FILING DATE: 1999-07-28
      PRIOR APPLICATION NUMBER: PCT/US99/20594
      PRIOR FILING DATE: 1999-09-08
      PRIOR APPLICATION NUMBER: PCT/US99/20944
      PRIOR FILING DATE: 1999-09-13
      PRIOR APPLICATION NUMBER: PCT/US99/21090
      PRIOR FILING DATE: 1999-09-15
      PRIOR APPLICATION NUMBER: PCT/US99/21547
      PRIOR FILING DATE: 1999-09-15
      PRIOR APPLICATION NUMBER: PCT/US99/23089
      PRIOR FILING DATE: 1999-10-05
      PRIOR APPLICATION NUMBER: PCT/US99/28214
      PRIOR FILING DATE: 1999-11-29
      PRIOR APPLICATION NUMBER: PCT/US99/28313
      PRIOR FILING DATE: 1999-11-30
      PRIOR APPLICATION NUMBER: PCT/US99/28564
      PRIOR FILING DATE: 1999-12-02
      PRIOR APPLICATION NUMBER: PCT/US99/28565
      PRIOR FILING DATE: 1999-12-02
      PRIOR APPLICATION NUMBER: PCT/US99/30095
      PRIOR FILING DATE: 1999-12-16
      PRIOR APPLICATION NUMBER: PCT/US99/30911
      PRIOR FILING DATE: 1999-12-20
      PRIOR APPLICATION NUMBER: PCT/US99/30999
      PRIOR FILING DATE: 1999-12-20
      PRIOR APPLICATION NUMBER: PCT/US00/00219
      PRIOR FILING DATE: 2000-01-05
      NUMBER OF SEQ ID NOS: 423
      SEQ ID NO 126
      LENGTH: 1210
      TYPE: DNA
      ORGANISM: Homo sapiens
      US-09-906-618-126

Query Match          81.0%; Score 17; DB 3; Length 1210;
Best Local Similarity 100.0%; Pred. No. 2.4e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 AGCGATGAGGAGGAGTG 17
      |||||
Db      282 AGCGATGAGGAGGAGTG 298

RESULT 40
US-09-906-646-126
Sequence 126, Application US/09306646
Patent No. 6852848
GENERAL INFORMATION:
APPLICANT: Genentech, Inc.
APPLICANT: Ashkenazi, Avi
APPLICANT: Botstein, David
APPLICANT: Deenoyers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Filvaroff, Ellen
APPLICANT: Fong, Sherman
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, A.
APPLICANT: Godowski, Paul J.

```

```

; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Kijavlin, Ivar J.
; APPLICANT: Matheer, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/906,646
; PRIOR FILING DATE: 2002-01-22
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: PCT/US99/28214
; PRIOR FILING DATE: 1999-11-29
; PRIOR APPLICATION NUMBER: PCT/US99/28313
; PRIOR FILING DATE: 1999-11-30
; PRIOR APPLICATION NUMBER: PCT/US99/28564
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/28565
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: PCT/US99/30911
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US99/30999
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 126
; LENGTH: 1210
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-906-646-126

Query Match      81.0%; Score 17; DB 3; Length 1210;
Best Local Similarity 100.0%; Pred. No. 2,4e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

```

; APPLICANT: Aehkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerlitsen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Kijavlin, Ivar J.
; APPLICANT: Matheer, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/904,462
; PRIOR FILING DATE: 2001-07-13
; PRIOR APPLICATION NUMBER: 09/665,350
; PRIOR FILING DATE: 2000-09-18
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: PCT/US99/28214
; PRIOR FILING DATE: 1999-11-29
; PRIOR APPLICATION NUMBER: PCT/US99/28313
; PRIOR FILING DATE: 1999-11-30
; PRIOR APPLICATION NUMBER: PCT/US99/28564
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/28565
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: PCT/US99/30911
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US99/30999
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 126
; LENGTH: 1210
; TYPE: DNA
; ORGANISM: Homo Sapien
US-09-904-462-126

Query Match      81.0%; Score 17; DB 3; Length 1210;

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Best Local Similarity 100.0%; Pred. No. 2.4e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AGCGATGAGGAGGATG 17
Db 282 AGCGATGAGGAGGATG 298

RESULT 42

US-09-902-736A-126
; Sequence 126, Application US/09902736A
; Patent No. 6894148
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Aekhenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Baton, Dan L.
; APPLICANT: Ferreira, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Rong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerltsen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Grimaldi, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumaas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/902,736A
; PRIOR FILING DATE: 2001-07-10
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: PCT/US99/28214
; PRIOR FILING DATE: 1999-11-29
; PRIOR APPLICATION NUMBER: PCT/US99/28313
; PRIOR FILING DATE: 1999-11-30
; PRIOR APPLICATION NUMBER: PCT/US99/28564
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/28565
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: PCT/US99/30911
; PRIOR FILING DATE: 1999-12-20

; PRIOR APPLICATION NUMBER: PCT/US99/30999
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; PRIOR FILING DATE: 2000-01-05
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 126
; LENGTH: 1210
; TYPE: DNA
; ORGANISM: Homo sapiens

US-09-902-736A-126

Query Match 81.0%; Score 17; DB 3; Length 1210;
Best Local Similarity 100.0%; Pred. No. 2.4e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AGCGATGAGGAGGATG 17
Db 282 AGCGATGAGGAGGATG 298

RESULT 43

US-09-906-722A-126
; Sequence 126, Application US/09906722A
; Patent No. 6946262
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Aekhenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Baton, Dan L.
; APPLICANT: Ferreira, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Rong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerltsen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Grimaldi, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumaas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: GNE.1618P2C61
; CURRENT APPLICATION NUMBER: US/09/906,722A
; PRIOR FILING DATE: 2001-07-16
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-10-05

PRIOR APPLICATION NUMBER: PCT/US99/28214
PRIOR FILING DATE: 1999-11-29
PRIOR APPLICATION NUMBER: PCT/US99/28313
PRIOR FILING DATE: 1999-11-30
PRIOR APPLICATION NUMBER: PCT/US99/28564
PRIOR FILING DATE: 1999-12-02
PRIOR APPLICATION NUMBER: PCT/US99/28565
PRIOR FILING DATE: 1999-12-02
PRIOR APPLICATION NUMBER: PCT/US99/30095
PRIOR FILING DATE: 1999-12-16
PRIOR APPLICATION NUMBER: PCT/US99/30911
PRIOR FILING DATE: 1999-12-20
PRIOR APPLICATION NUMBER: PCT/US99/30999
PRIOR FILING DATE: 1999-12-20
PRIOR APPLICATION NUMBER: PCT/US00/00219
PRIOR FILING DATE: 2000-01-05
NUMBER OF SEQ ID NOS: 423
SEQ ID NO 126
LENGTH: 1210
TYPE: DNA
ORGANISM: Homo sapiens
US-09-906-722A-126

Query Match 81.0%; Score 17; DB 3; Length 1210;
Best Local Similarity 100.0%; Pred. No. 2.4e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AGCGATGAGGAGTG 17
Db 282 AGCGATGAGGAGTG 298

RESULT 44
US-08-311-731A-124/c
Sequence 124, Application US/08311731A
Patent No. 6583266
GENERAL INFORMATION:
APPLICANT: SMITH, DOUGLAS
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES
TITLE OF INVENTION: RELATING TO MYCOBACTERIUM TUBERCULOSIS AND LAPRAE FOR
TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
NUMBER OF SEQUENCES: 411
CORRESPONDENCE ADDRESS:
ADDRESSER: WOLF, GREENFIELD & SACKS, P.C.
STREET: 600 ATLANTIC AVENUE
CITY: BOSTON
STATE: MASSACHUSETTS
COUNTRY: USA
ZIP: 02210
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/311,731A
FILING DATE:
CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: GATES, EDWARD R.
REGISTRATION NUMBER: 31,616
REFERENCE/DOCKET NUMBER: C0044/7125
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617/720-3500
TELEFAX: 617/720-2441
INFORMATION FOR SEQ ID NO: 124:
SEQUENCE CHARACTERISTICS:
LENGTH: 36033 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: circular
MOLECULE TYPE: DNA (genomic)

HYPOTHETICAL: NO
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: MYCOBACTERIUM LEPRAE
US-08-311-731A-124

Query Match 80.0%; Score 16.8; DB 3; Length 36033;
Best Local Similarity 90.0%; Pred. No. 3.9e+02;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 AGCGATGAGGAGTGCGG 20
Db 19152 AGCGATGAGTGAGCGCGC 19133

RESULT 45
US-08-104-072B-7/c
Sequence 7, Application US/08104072B
Patent No. 5639948
GENERAL INFORMATION:
APPLICANT: Michiels, Frank
APPLICANT: Morioka, Sinji
APPLICANT: Scheitlinck, Trees
APPLICANT: Komari, Toshiko
TITLE OF INVENTION: Stamen-specific Promoters from Rice
NUMBER OF SEQUENCES: 38
CORRESPONDENCE ADDRESS:
ADDRESSER: Merchant & Gould
STREET: 3100 No. 5639948west Center
CITY: Minneapolis
STATE: MN
COUNTRY: USA
ZIP: 55402
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/104,072B
FILING DATE: 05-AUG-1993
CLASSIFICATION: 800
PRIOR APPLICATION DATA:
APPLICATION NUMBER: WO 9200272
FILING DATE: 06-FEB-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP 91403352.7
FILING DATE: 10-DEC-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP 91402590.3
FILING DATE: 27-SEP-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP 91400318.1
FILING DATE: 08-FEB-1991
ATTORNEY/AGENT INFORMATION:
NAME: Kowalchuk, Katherine M.
REGISTRATION NUMBER: 36,848
REFERENCE/DOCKET NUMBER: 8076.93USWO
TELECOMMUNICATION INFORMATION:
TELEPHONE: 612-332-5300
TELEFAX: 612-332-9081
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 2370 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
ORIGINAL SOURCE:
ORGANISM: Oryza sativa
FEATURE:
NAME/KEY: promoter
LOCATION: 1..1808

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/ OTHER INFORMATION: /function= "anther specific PT42
/ OTHER INFORMATION: promoter"
/ FEATURE:
/ NAME/KEY: TATA_signal
/ LOCATION: 1748..1755
/ FEATURE:
/ NAME/KEY: misc_feature
/ LOCATION: 1780
/ OTHER INFORMATION: /product= "transcription
/ OTHER INFORMATION: initiation"
/ FEATURE:
/ NAME/KEY: misc_feature
/ LOCATION: 1809
/ OTHER INFORMATION: /product= "ATG start translation
/ OTHER INFORMATION: T42"
US-08-104-072B-7

Query Match      78.1%; Score 16.4; DB 2; Length 2370;
Best Local Similarity 94.4%; Pred. No. 4.7e+02;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      4 GATGAGAGAGATGGCGC 21
Db      1856 GATGAGAGAGAGCGGC 1839

RESULT 46
US-08-351-413-8/C
/ Sequence 8, Application US/08351413
/ Patent No. 5750867
/ GENERAL INFORMATION:
/ APPLICANT: Williams, Mark
/ TITLE OF INVENTION: Maintenance of male-sterile plants
/ NUMBER OF SEQUENCES: 17
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: BIRCH, STEWART, KOLASCH & BIRCH
/ STREET: 8110 Gatehouse Road, Suite 500 East
/ CITY: Falls Church
/ STATE: Virginia
/ COUNTRY: U.S.A.
/ ZIP: 2046
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ OPERATING SYSTEM: IBM PC compatible
/ SOFTWARE: Patentin Release #1.0, Version #1.25 (EPO)
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/08/351,413
/ FILING DATE:
/ CLASSIFICATION: 800
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: US 07/899,072
/ FILING DATE: 12-JUN-1992
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: US 07/970,849
/ FILING DATE: 03-NOV-1992
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Svensson, Leonard R.
/ REGISTRATION NUMBER: 30,330
/ REFERENCE/DOCKET NUMBER: 2121-102PCT
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (703) 205-8000
/ TELEFAX: (703) 205-8050
/ TELEX: 248345
/ INFORMATION FOR SEQ ID NO: 8:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 2370 base pairs
/ TYPE: nucleic acid
/ STRANDEDNESS: double
/ TOPOLOGY: linear
/ MOLECULE TYPE: DNA (genomic)
/ HYPOTHEICAL: NO
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/ ANTI-SENSE: NO
/ ORIGINAL SOURCE:
/ ORGANISM: Oryza sativa
/ STRAIN: Akihikari
/ FEATURE:
/ NAME/KEY: -
/ LOCATION: 1..1808
/ OTHER INFORMATION: /label= PT42
/ OTHER INFORMATION: /note= "sequence comprising anther specific
/ OTHER INFORMATION: promoter PT42"
/ FEATURE:
/ NAME/KEY: -
/ LOCATION: 1748..1755
/ OTHER INFORMATION: /label= TATA
/ OTHER INFORMATION: /note= "TATA Box"
/ FEATURE:
/ NAME/KEY: -
/ LOCATION: 1780
/ OTHER INFORMATION: /note= "transcription initiation
/ OTHER INFORMATION: site determined by primer extension"
/ FEATURE:
/ NAME/KEY: -
/ LOCATION: 1809
/ OTHER INFORMATION: /label= ATG
/ OTHER INFORMATION: /note= "ATG start of translation of rice T42 gene"
US-08-351-413-8

Query Match      78.1%; Score 16.4; DB 2; Length 2370;
Best Local Similarity 94.4%; Pred. No. 4.7e+02;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      4 GATGAGAGAGATGGCGC 21
Db      1856 GATGAGAGAGAGCGGC 1839

RESULT 47
US-09-025-583-8/C
/ Sequence 8, Application US/09025583
/ Patent No. 5977433
/ GENERAL INFORMATION:
/ APPLICANT: Williams, Mark
/ TITLE OF INVENTION: Maintenance of male-sterile plants
/ NUMBER OF SEQUENCES: 17
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: BIRCH, STEWART, KOLASCH & BIRCH
/ STREET: 8110 Gatehouse Road, Suite 500 East
/ CITY: Falls Church
/ STATE: Virginia
/ COUNTRY: U.S.A.
/ ZIP: 2046
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ OPERATING SYSTEM: IBM PC compatible
/ SOFTWARE: Patentin Release #1.0, Version #1.25 (EPO)
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/09/025,583
/ FILING DATE:
/ CLASSIFICATION: 800
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: US/08/351,413
/ FILING DATE:
/ APPLICATION NUMBER: US 07/899,072
/ FILING DATE: 12-JUN-1992
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: US 07/970,849
/ FILING DATE: 03-NOV-1992
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Svensson, Leonard R.
/ REGISTRATION NUMBER: 30,330
/ REFERENCE/DOCKET NUMBER: 2121-102PCT
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; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (703) 205-8000
; TELEFAX: (703) 205-8050
; TELEX: 248345
; INFORMATION FOR SEQ ID NO: 8:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2370 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; HYPOTHEetical: NO
; ANTI-SENSE: NO
; ORIGINAL SOURCE:
; ORGANISM: Oryza sativa
; STRAIN: Akihikari
; FEATURE:
; NAME/KEY: -
; LOCATION: 1..1808
; OTHER INFORMATION: /label= PT42
; OTHER INFORMATION: /note= "sequence comprising anther specific
; OTHER INFORMATION: promoter PT42"
; FEATURE:
; NAME/KEY: -
; LOCATION: 1748..1755
; OTHER INFORMATION: /label= TA7A
; OTHER INFORMATION: /note= "TA7A Box"
; FEATURE:
; NAME/KEY: -
; LOCATION: 1780
; OTHER INFORMATION: /note= "transcription initiation
; OTHER INFORMATION: site determined by primer extension"
; FEATURE:
; NAME/KEY: -
; LOCATION: 1809
; OTHER INFORMATION: /label= ATG
; OTHER INFORMATION: /note= "ATG start of translation of rice T42 gene"
; US-09-025-583-8

Query Match          78.1%; Score 16.4; DB 2; Length 2370;
Best Local Similarity 94.4%; Pred. No. 4.7e+02;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      4 GATGAGGAGGAGTGGCCG 21
Db      1856 GATGAGGAGGAGGCGGC 1839

RESULT 48
US-09-060-756-60/c
; Sequence 60, Application US/09060756
; Patent No. 6183957
; GENERAL INFORMATION:
; APPLICANT: Cole, Stewart
; APPLICANT: Buchtleser-Brosch, Roland
; APPLICANT: Gordon, Stephen
; TITLE OF INVENTION: METHOD FOR ISOLATING A POLYNUCLEOTIDE OF INTEREST FROM
; TITLE OF INVENTION: THE GENOME OF A MYCOBACTERIUM USING A BAC-BASED DNA
; TITLE OF INVENTION: LIBRARY APPLICATION TO THE DETECTION OF MYCOBACTERIA
; FILE REFERENCE: 3495-0169
; CURRENT APPLICATION NUMBER: US/09/060.756
; CURRENT FILING DATE: 1998-04-16
; NUMBER OF SEQ ID NOS: 743
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 60
; LENGTH: 448
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (various positions within the sequence)
; OTHER INFORMATION: applicants are uncertain of bases designated as "n"
; US-09-025-583-8
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Best Local Similarity 85.7%; Pred. No. 5e+02;
Matches 18; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

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; Sequence 60, Application US/09670314
; Patent No. 6492506
; GENERAL INFORMATION:
; APPLICANT: Cole, Stewart
; APPLICANT: Buchtleser-Brosch, Roland
; APPLICANT: Gordon, Stephen
; APPLICANT: Billault, Alain
; TITLE OF INVENTION: METHOD FOR ISOLATING A POLYNUCLEOTIDE OF INTEREST FROM
; TITLE OF INVENTION: THE GENOME OF A MYCOBACTERIUM USING A BAC-BASED DNA
; TITLE OF INVENTION: LIBRARY APPLICATION TO THE DETECTION OF MYCOBACTERIA
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; CURRENT APPLICATION NUMBER: US/09/670.314
; CURRENT FILING DATE: 2001-01-12
; PRIOR APPLICATION NUMBER: 09/060.756
; PRIOR FILING DATE: 1998-04-16
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; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (various positions within the sequence)
; OTHER INFORMATION: applicants are uncertain of bases designated as "n"
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; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: C1001307
; CURRENT APPLICATION NUMBER: US/09/949.016
; CURRENT FILING DATE: 2000-04-14
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; PRIOR FILING DATE: 2000-10-20
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; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
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601	16.8	80.0	867	3	US-09-963-204-13	Sequence 13, Appl1	674	16.2	77.1	2382	9	US-10-847-972-33	Sequence 33, Appl1
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685	16.2	77.1	14800	9	US-10-843-641A-4668	Sequence 468, App	758	15.8	75.2	2231	5	US-10-450-763-22113	Sequence 22113, A
686	16.2	77.1	14800	9	US-10-956-157-418	Sequence 418, App	759	15.8	75.2	2616	7	US-10-437-963-44584	Sequence 44584, A
687	16.2	77.1	14835	6	US-10-240-965-113	Sequence 113, App	760	15.8	75.2	2640	5	US-10-128-714-1356	Sequence 1356, App
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695	15.8	75.2	265	7	US-10-437-963-71922	Sequence 71922, A	768	15.8	75.2	4130	9	US-10-287-436A-166	Sequence 166, App
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701	15.8	75.2	546	4	US-09-925-065A-24978	Sequence 24978, A	774	15.8	75.2	4639	5	US-10-128-714-356	Sequence 356, App
702	15.8	75.2	558	4	US-09-925-065A-336686	Sequence 336686, A	775	15.8	75.2	4835	3	US-09-956-004-58	Sequence 58, App1
703	15.8	75.2	560	4	US-09-925-065A-334234	Sequence 334234, A	776	15.8	75.2	4835	8	US-10-088-570-58	Sequence 58, App1
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C 993 15.2 72.4 846 5 US-10-027-632-173246 Sequence 173246, A
C 994 15.2 72.4 846 6 US-10-027-632-173246 Sequence 173246, A
C 995 15.2 72.4 847 8 US-10-425-115-160770 Sequence 160770, A
C 996 15.2 72.4 847 8 US-10-425-115-172214 Sequence 172214, A
C 997 15.2 72.4 864 7 US-10-437-963-87528 Sequence 87528, A
C 998 15.2 72.4 867 7 US-10-250-238-5766 Sequence 5766, Ap
C 999 15.2 72.4 873 8 US-10-425-115-127490 Sequence 127490, A
1000 15.2 72.4 875 7 US-10-767-701-791 Sequence 791, App
```

ALIGNMENTS

```
RESULT 1
US-10-086-206-2
; Sequence 2, Application US/10086206
; Publication No. US20030124546A1
; GENERAL INFORMATION:
; APPLICANT: Magdalena, J
; APPLICANT: Supply, P
; APPLICANT: Loch, C
; TITLE OF INVENTION: M. TUBERCULOSIS COMPLEX MEMBERS MYCOBACTERIA SPECIFIC
; TITLE OF INVENTION: NUCLEIC ACID FRAGMENTS AND THEIR APPLICATIONS FOR THE
; TITLE OF INVENTION: DETECTION AND DIFFERENTIAL DIAGNOSIS OF M. TUBERCULOSIS
; FILE REFERENCE: 408.014
; CURRENT APPLICATION NUMBER: US/10/086,206
; PRIOR FILING DATE: 2002-02-28
; PRIOR APPLICATION NUMBER: PCT/FR97/01483
; PRIOR FILING DATE: 1997-08-12
; PRIOR APPLICATION NUMBER: FR 96/10277
; NUMBER OF SEQ ID NOS: 11
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 2
; LENGTH: 53
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
US-10-086-206-2
```

```
Query Match 100.0%; Score 21; DB 6; Length 53;
Best Local Similarity 100.0%; Pred. No. 12;
Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy 1 AGCGATGAGGAGGAGTGGCGC 21
Db 31 AGCGATGAGGAGGAGTGGCGC 51
```

```
RESULT 2
US-10-259-678-526/C
; Sequence 526, Application US/10259678
; Publication No. US20030198974A1
```

```
; GENERAL INFORMATION:
; APPLICANT: Cole, Stewart
; APPLICANT: Buchrieser-Brosch, Roland
; APPLICANT: Gordon, Stephen
; APPLICANT: Billault, Alain
; TITLE OF INVENTION: METHOD FOR ISOLATING A POLYNUCLEOTIDE OF INTEREST FROM
; TITLE OF INVENTION: THE GENOME OF A MYCOBACTERIUM USING A BAC-BASED DNA
; TITLE OF INVENTION: LIBRARY APPLICATION TO THE DETECTION OF MYCOBACTERIA
; FILE REFERENCE: 3495-0169
; CURRENT APPLICATION NUMBER: US/10/259,678
; PRIOR FILING DATE: 2002-09-30
; PRIOR APPLICATION NUMBER: US/09/060,756
; PRIOR FILING DATE: 1998-04-16
; NUMBER OF SEQ ID NOS: 743
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 526
; LENGTH: 173
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
US-10-259-678-526
```

```
Query Match 92.4%; Score 19.4; DB 6; Length 173;
Best Local Similarity 95.2%; Pred. No. 52;
Matches 20; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
Qy 1 AGCGATGAGGAGGAGTGGCGC 21
Db 54 AGCGATGAGGAGGAGTGGCGC 34
```

```
RESULT 3
US-10-259-678-597/C
; Sequence 597, Application US/10259678
; Publication No. US20030198974A1
; GENERAL INFORMATION:
; APPLICANT: Cole, Stewart
; APPLICANT: Buchrieser-Brosch, Roland
; APPLICANT: Gordon, Stephen
; APPLICANT: Billault, Alain
; TITLE OF INVENTION: METHOD FOR ISOLATING A POLYNUCLEOTIDE OF INTEREST FROM
; TITLE OF INVENTION: THE GENOME OF A MYCOBACTERIUM USING A BAC-BASED DNA
; TITLE OF INVENTION: LIBRARY APPLICATION TO THE DETECTION OF MYCOBACTERIA
; FILE REFERENCE: 3495-0169
; CURRENT APPLICATION NUMBER: US/10/259,678
; PRIOR FILING DATE: 2002-09-30
; PRIOR APPLICATION NUMBER: US/09/060,756
; PRIOR FILING DATE: 1998-04-16
; NUMBER OF SEQ ID NOS: 743
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 597
; LENGTH: 234
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
US-10-259-678-597
```

```
Query Match 92.4%; Score 19.4; DB 6; Length 234;
Best Local Similarity 95.2%; Pred. No. 50;
Matches 20; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
Qy 1 AGCGATGAGGAGGAGTGGCGC 21
Db 62 AGCGATGAGGAGGAGTGGCGC 42
```

```
RESULT 4
US-10-259-678-586/C
; Sequence 586, Application US/10259678
; Publication No. US20030198974A1
; GENERAL INFORMATION:
; APPLICANT: Cole, Stewart
; APPLICANT: Buchrieser-Brosch, Roland
; APPLICANT: Gordon, Stephen
; APPLICANT: Billault, Alain
```

```
/ TITLE OF INVENTION: METHOD FOR ISOLATING A POLYNUCLEOTIDE OF INTEREST FROM
/ TITLE OF INVENTION: THE GENOME OF A MYCOBACTERIUM USING A BAC-BASED DNA
/ TITLE OF INVENTION: LIBRARY APPLICATION TO THE DETECTION OF MYCOBACTERIA
/ FILE REFERENCE: 3495-0169
/ CURRENT APPLICATION NUMBER: US/10/259,678
/ CURRENT FILING DATE: 2002-09-30
/ PRIOR APPLICATION NUMBER: US/09/060,756
/ PRIOR FILING DATE: 1998-04-16
/ NUMBER OF SEQ ID NOS: 743
/ SOFTWARE: PatentIn Ver. 2.0
/ SEQ ID NO 586
/ LENGTH: 241
/ TYPE: DNA
/ ORGANISM: Mycobacterium tuberculosis
US-10-259-678-586
```

```
Query Match          92.4%; Score 19.4; DB 6; Length 241;
Best Local Similarity 95.2%; Pred. No. 49;
Matches 20; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
QY      1 AGCGATGAGGAGGATGCGGC 21
Db      42 AGCGATGAGGAGGAGCGCGC 22
```

RESULT 5

```
US-10-259-678-635/C
/ Sequence 635, Application US/10259678
/ Publication No. US20030198974A1
/ GENERAL INFORMATION:
/ APPLICANT: Cole, Stewart
/ APPLICANT: Buchrieser-Brosch, Roland
/ APPLICANT: Gordon, Stephen
/ APPLICANT: Billault, Alain
/ TITLE OF INVENTION: METHOD FOR ISOLATING A POLYNUCLEOTIDE OF INTEREST FROM
/ TITLE OF INVENTION: THE GENOME OF A MYCOBACTERIUM USING A BAC-BASED DNA
/ FILE REFERENCE: 3495-0169
/ CURRENT APPLICATION NUMBER: US/10/259,678
/ CURRENT FILING DATE: 2002-09-30
/ PRIOR APPLICATION NUMBER: US/09/060,756
/ PRIOR FILING DATE: 1998-04-16
/ NUMBER OF SEQ ID NOS: 743
/ SOFTWARE: PatentIn Ver. 2.0
/ SEQ ID NO 635
/ LENGTH: 376
/ TYPE: DNA
/ ORGANISM: Mycobacterium tuberculosis
US-10-259-678-635
```

```
Query Match          92.4%; Score 19.4; DB 6; Length 376;
Best Local Similarity 95.2%; Pred. No. 47;
Matches 20; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
QY      1 AGCGATGAGGAGGATGCGGC 21
Db      65 AGCGATGAGGAGGAGCGCGC 45
```

RESULT 6

```
US-10-259-678-521/C
/ Sequence 521, Application US/10259678
/ Publication No. US20030198974A1
/ GENERAL INFORMATION:
/ APPLICANT: Cole, Stewart
/ APPLICANT: Buchrieser-Brosch, Roland
/ APPLICANT: Gordon, Stephen
/ APPLICANT: Billault, Alain
/ TITLE OF INVENTION: METHOD FOR ISOLATING A POLYNUCLEOTIDE OF INTEREST FROM
/ TITLE OF INVENTION: THE GENOME OF A MYCOBACTERIUM USING A BAC-BASED DNA
/ FILE REFERENCE: 3495-0169
/ CURRENT APPLICATION NUMBER: US/10/259,678
```

```
/ CURRENT FILING DATE: 2002-09-30
/ PRIOR APPLICATION NUMBER: US/09/060,756
/ PRIOR FILING DATE: 1998-04-16
/ NUMBER OF SEQ ID NOS: 743
/ SOFTWARE: PatentIn Ver. 2.0
/ SEQ ID NO 521
/ LENGTH: 406
/ TYPE: DNA
/ ORGANISM: Mycobacterium tuberculosis
US-10-259-678-521
```

```
Query Match          92.4%; Score 19.4; DB 6; Length 406;
Best Local Similarity 95.2%; Pred. No. 46;
Matches 20; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
QY      1 AGCGATGAGGAGGATGCGGC 21
Db      37 AGCGATGAGGAGGAGCGCGC 17
```

RESULT 7

```
US-10-282-122A-26008
/ Sequence 26008, Application US/10282122A
/ Publication No. US20040029129A1
/ GENERAL INFORMATION:
/ APPLICANT: Wang, Liangsu
/ APPLICANT: Zamudio, Carlos
/ APPLICANT: Malone, Cheryl
/ APPLICANT: Haselbeck, Robert
/ APPLICANT: Ohlsen, Karl
/ APPLICANT: Zyskind, Judith
/ APPLICANT: Wall, Daniel
/ APPLICANT: Trawick, John
/ APPLICANT: Carr, Grant
/ APPLICANT: Yamamoto, Robert
/ APPLICANT: Forsyth, R.
/ APPLICANT: Xu, H.
/ TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
/ FILE REFERENCE: EPIYRA.0348
/ CURRENT APPLICATION NUMBER: US/10/282,122A
/ CURRENT FILING DATE: 2003-02-20
/ PRIOR APPLICATION NUMBER: 60/191,078
/ PRIOR FILING DATE: 2000-03-21
/ PRIOR APPLICATION NUMBER: 60/206,848
/ PRIOR FILING DATE: 2000-05-23
/ PRIOR APPLICATION NUMBER: 60/207,727
/ PRIOR FILING DATE: 2000-05-26
/ PRIOR APPLICATION NUMBER: 60/230,335
/ PRIOR FILING DATE: 2000-09-06
/ PRIOR APPLICATION NUMBER: 60/230,347
/ PRIOR FILING DATE: 2000-09-09
/ PRIOR APPLICATION NUMBER: 60/242,578
/ PRIOR FILING DATE: 2000-10-23
/ PRIOR APPLICATION NUMBER: 60/253,625
/ PRIOR FILING DATE: 2000-11-27
/ PRIOR APPLICATION NUMBER: 60/257,931
/ PRIOR FILING DATE: 2000-12-22
/ PRIOR APPLICATION NUMBER: 60/267,636
/ PRIOR FILING DATE: 2001-02-09
/ PRIOR APPLICATION NUMBER: 60/269,308
/ PRIOR FILING DATE: 2001-02-16
/ Remaining Prior Application data removed - See file wrapper or PALM.
/ NUMBER OF SEQ ID NOS: 78614
/ SOFTWARE: PatentIn version 3.1
/ SEQ ID NO 26008
/ LENGTH: 936
/ TYPE: DNA
/ ORGANISM: Mycobacterium avium
US-10-282-122A-26008
```

```
Query Match          92.4%; Score 19.4; DB 7; Length 936;
Best Local Similarity 95.2%; Pred. No. 41;
Matches 20; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

QY 1 AGCGATGAGGAGGATGGCGC 21
Db 916 AGCGATGAGGAGGAGCGCGC 936

RESULT 8
US-10-282-122A-26164
; Sequence 26164, Application US/10282122A
; Publication No. US20040029129A1
; GENERAL INFORMATION:
; APPLICANT: Wang, Liangsu
; APPLICANT: Zamudio, Carlos
; APPLICANT: Malone, Cheryl
; APPLICANT: Haselbeck, Robert
; APPLICANT: Ohlsen, Karl
; APPLICANT: Zyskind, Judith
; APPLICANT: Wall, Daniel
; APPLICANT: Trawick, John
; APPLICANT: Carr, Grant
; APPLICANT: Yamamoto, Robert
; APPLICANT: Forsyth, R.
; APPLICANT: Xu, H.
; TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
; FILE REFERENCE: ELITRA.034A
; CURRENT APPLICATION NUMBER: US/10/282,122A
; CURRENT FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: 60/191,078
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/206,848
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/207,727
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/230,335
; PRIOR FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: 60/230,347
; PRIOR FILING DATE: 2000-09-09
; PRIOR APPLICATION NUMBER: 60/242,578
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/253,625
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/257,931
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/267,636
; PRIOR FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/269,308
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 78614
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 26164
; LENGTH: 1287
; TYPE: DNA
; ORGANISM: Mycobacterium bovis
US-10-282-122A-26164

Query Match 92.4%; Score 19.4; DB 7; Length 1287;
Best Local Similarity 95.2%; Pred. No. 40;
Matches 20; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 AGCGATGAGGAGGATGGCGC 21
Db 55 AGCGATGAGGAGGAGCGCGC 75

RESULT 9
US-10-282-122A-28483
; Sequence 28483, Application US/10282122A
; Publication No. US20040029129A1
; GENERAL INFORMATION:
; APPLICANT: Wang, Liangsu
; APPLICANT: Zamudio, Carlos
; APPLICANT: Malone, Cheryl

; APPLICANT: Haselbeck, Robert
; APPLICANT: Ohlsen, Karl
; APPLICANT: Zyskind, Judith
; APPLICANT: Wall, Daniel
; APPLICANT: Trawick, John
; APPLICANT: Carr, Grant
; APPLICANT: Yamamoto, Robert
; APPLICANT: Forsyth, R.
; APPLICANT: Xu, H.
; TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
; FILE REFERENCE: ELITRA.034A
; CURRENT APPLICATION NUMBER: US/10/282,122A
; CURRENT FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: 60/191,078
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/206,848
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/207,727
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/230,335
; PRIOR FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: 60/230,347
; PRIOR FILING DATE: 2000-09-09
; PRIOR APPLICATION NUMBER: 60/242,578
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/253,625
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/257,931
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/267,636
; PRIOR FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/269,308
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 78614
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 28483
; LENGTH: 1290
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
US-10-282-122A-28483

Query Match 92.4%; Score 19.4; DB 7; Length 1290;
Best Local Similarity 95.2%; Pred. No. 40;
Matches 20; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 AGCGATGAGGAGGATGGCGC 21
Db 55 AGCGATGAGGAGGAGCGCGC 75

RESULT 10
US-09-791-171-71
; Sequence 71, Application US/09791171
; Patent No. US20020094336A1
; GENERAL INFORMATION:
; APPLICANT: ANDERSEN, Peter
; APPLICANT: NIELSEN, Rikke
; APPLICANT: OETTINGER, Thomas
; APPLICANT: RASMUSSEN, Peter Birk
; APPLICANT: ROSENKRANDS, Ida
; APPLICANT: WEIDINGH, Karin
; APPLICANT: FLORIO, Walter
; TITLE OF INVENTION: NUCLEIC ACIDS FRAGMENTS AND POLYPEPTIDE FRAGMENTS
; TITLE OF INVENTION: DERIVED FROM M. TUBERCULOSIS
; FILE REFERENCE: 670001-2002.1
; CURRENT APPLICATION NUMBER: US/09/791,171
; CURRENT FILING DATE: 2001-02-20
; PRIOR APPLICATION NUMBER: 09/050,739
; PRIOR FILING DATE: 1998-03-30
; PRIOR APPLICATION NUMBER: 0376/97
; PRIOR FILING DATE: 1997-04-02
; PRIOR APPLICATION NUMBER: 1277/97

;; PRIOR FILING DATE: 1997-11-10
;; PRIOR APPLICATION NUMBER: 60/044,624
;; PRIOR FILING DATE: 1997-04-18
;; PRIOR APPLICATION NUMBER: 60/070,488
;; PRIOR FILING DATE: 1998-01-05
;; NUMBER OF SEQ ID NOS: 173
;; SOFTWARE: PatentIn Ver. 2.0
;; SEQ ID NO 71
;; LENGTH: 1890
;; TYPE: DNA
;; ORGANISM: Mycobacterium tuberculosis
US-09-791-171-71

Query Match 92.4%; Score 19.4; DB 3; Length 1890;
Best Local Similarity 95.2%; Pred. No. 38;
Matches 20; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 AGCGATGAGAGAGTGGCGC 21
|||||
Db 3 AGCGATGAGAGAGCGCGC 23

RESULT 11
US-09-804-980-71
;; Sequence 71, Application US/09804980
;; Publication No. US20030147897A1
;; GENERAL INFORMATION:
;; APPLICANT: Statens Serum Institut
;; APPLICANT: Andersen, Peter
;; TITLE OF INVENTION: M. Tuberculosis Antigens
;; FILE REFERENCE: 670001-2002.4
;; CURRENT APPLICATION NUMBER: US/09/804,980
;; CURRENT FILING DATE: 2001-03-12
;; NUMBER OF SEQ ID NOS: 257
;; SOFTWARE: PatentIn version 3.0
;; SEQ ID NO 71
;; LENGTH: 1890
;; TYPE: DNA
;; ORGANISM: Mycobacterium tuberculosis
US-09-804-980-71

Query Match 92.4%; Score 19.4; DB 3; Length 1890;
Best Local Similarity 95.2%; Pred. No. 38;
Matches 20; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 AGCGATGAGAGAGTGGCGC 21
|||||
Db 3 AGCGATGAGAGAGCGCGC 23

RESULT 12
US-10-620-246-71
;; Sequence 71, Application US/10620246
;; Publication No. US20040115211A1
;; GENERAL INFORMATION:
;; APPLICANT: ANDERSEN, Peter
;; APPLICANT: NIELSEN, Rikke
;; APPLICANT: OESTINGER, Thomas
;; APPLICANT: RASMUSSEN, Peter Birk
;; APPLICANT: ROSENKRANDS, Ida
;; APPLICANT: WELDINGH, Karin
;; APPLICANT: FLORIO, Walter
;; TITLE OF INVENTION: NUCLEIC ACIDS FRAGMENTS AND POLYPEPTIDE FRAGMENTS
;; TITLE OF INVENTION: DERIVED FROM M. TUBERCULOSIS
;; FILE REFERENCE: 670001-2002.1A
;; CURRENT APPLICATION NUMBER: US/10/620,246
;; CURRENT FILING DATE: 2003-07-15
;; PRIOR APPLICATION NUMBER: 09/050,739
;; PRIOR FILING DATE: 1998-03-30
;; PRIOR APPLICATION NUMBER: 0376/97
;; PRIOR FILING DATE: 1997-04-02
;; PRIOR APPLICATION NUMBER: 1277/97
;; PRIOR FILING DATE: 1997-11-10

;; PRIOR APPLICATION NUMBER: 60/044,624
;; PRIOR FILING DATE: 1997-04-18
;; PRIOR APPLICATION NUMBER: 60/070,488
;; PRIOR FILING DATE: 1998-01-05
;; PRIOR APPLICATION NUMBER: 10/138,473
;; PRIOR FILING DATE: 2002-05-02
;; PRIOR APPLICATION NUMBER: 09/791,171
;; PRIOR FILING DATE: 2001-02-20
;; PRIOR APPLICATION NUMBER: 09/415,884
;; PRIOR FILING DATE: 1999-10-08
;; PRIOR APPLICATION NUMBER: 60/116,673
;; PRIOR FILING DATE: 1999-01-21
;; PRIOR APPLICATION NUMBER: 1281/98
;; PRIOR FILING DATE: 1998-10-08
;; NUMBER OF SEQ ID NOS: 173
;; SOFTWARE: PatentIn Ver. 2.0
;; SEQ ID NO 71
;; LENGTH: 1890
;; TYPE: DNA
;; ORGANISM: Mycobacterium tuberculosis
US-10-620-246-71

Query Match 92.4%; Score 19.4; DB 7; Length 1890;
Best Local Similarity 95.2%; Pred. No. 38;
Matches 20; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 AGCGATGAGAGAGTGGCGC 21
|||||
Db 3 AGCGATGAGAGAGCGCGC 23

RESULT 13
US-10-510-021-2
;; Sequence 2, Application US/10510021
;; Publication No. US20050220811A1
;; GENERAL INFORMATION:
;; APPLICANT: Cole, Stewart
;; APPLICANT: Pym, Alexander S
;; APPLICANT: Brosch, Roland
;; APPLICANT: Brodin, Priscille
;; APPLICANT: Majlessi, Laleh
;; APPLICANT: Demangel, Caroline
;; APPLICANT: Leclercq, Claude
;; TITLE OF INVENTION: Identification of virulence associated regions RDI and
;; TITLE OF INVENTION: RDS leading to improve vaccine of M. bovis BCG and M.
;; FILE OF INVENTION: microci
;; FILE REFERENCE: D20217
;; CURRENT APPLICATION NUMBER: US/10/510,021
;; CURRENT FILING DATE: 2004-10-01
;; PRIOR APPLICATION NUMBER: PCT/IB03/01789
;; PRIOR FILING DATE: 2003-04-01
;; PRIOR APPLICATION NUMBER: EP 02/290864
;; PRIOR FILING DATE: 2002-04-05
;; NUMBER OF SEQ ID NOS: 75
;; SOFTWARE: PatentIn Ver. 2.1
;; SEQ ID NO 2
;; LENGTH: 13773
;; TYPE: DNA
;; ORGANISM: mycobacterium tuberculosis
;; FEATURE:
;; OTHER INFORMATION: Complete DNA sequence of RDI RV3867-3877
US-10-510-021-2

Query Match 92.4%; Score 19.4; DB 9; Length 13773;
Best Local Similarity 95.2%; Pred. No. 29;
Matches 20; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 AGCGATGAGAGAGTGGCGC 21
|||||
Db 5982 AGCGATGAGAGAGCGCGC 6002

RESULT 14

US-10-510-021-1
; Sequence 1, Application US/10510021
; Publication No. US2005022081A1
; GENERAL INFORMATION:
; APPLICANT: Cole, Stewart
; APPLICANT: Pym, Alexander S
; APPLICANT: Broesch, Roland
; APPLICANT: Brodin, Priscille
; APPLICANT: Majlessi, Laleh
; APPLICANT: Demangel, Caroline
; APPLICANT: Leclerc, Claude
; TITLE OF INVENTION: Identification of virulence associated regions RD1 and
; TITLE OF INVENTION: RDS leading to improve vaccine of M. bovis BCG and M.
; TITLE OF INVENTION: microti
; FILE REFERENCE: D20217
; CURRENT APPLICATION NUMBER: US/10/510,021
; CURRENT FILING DATE: 2004-10-01
; PRIOR APPLICATION NUMBER: PCT/IB03/01789
; PRIOR FILING DATE: 2003-04-01
; PRIOR APPLICATION NUMBER: EP 02/290864
; PRIOR FILING DATE: 2002-04-05
; NUMBER OF SEQ ID NOS: 75
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 31808
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
; FEATURE:
; OTHER INFORMATION: Insert of cosmid RD1-2F9 corresponding to sequence
; OTHER INFORMATION: in the genome of mycobacterium tuberculosis H37rv
US-10-510-021-1

Query Match 92.4%; Score 19.4; DB 9; Length 31808;
Best Local Similarity 95.2%; Pred. No. 26;
Matches 20; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 AGCGATGAGGAGAGTGCGC 21
DB 11943 AGCGATGAGGAGAGTGCGC 11963

RESULT 15
US-10-437-963-100131
; Sequence 100131, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated with
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53221)B
; CURRENT APPLICATION NUMBER: US/10/437,963
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 100131
; LENGTH: 399
; TYPE: DNA
; ORGANISM: Oryza sativa
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT4530_97878C.1
US-10-437-963-100131

Query Match 90.5%; Score 19; DB 7; Length 399;
Best Local Similarity 100.0%; Pred. No. 69;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 3 CGATGAGGAGAGTGCGC 21

DB 174 CGATGAGGAGAGTGCGC 192

RESULT 16
US-10-437-963-49435
; Sequence 49435, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated with
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53221)B
; CURRENT APPLICATION NUMBER: US/10/437,963
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 49435
; LENGTH: 414
; TYPE: DNA
; ORGANISM: Oryza sativa
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT4530_52017C.1
US-10-437-963-49435

Query Match 87.6%; Score 18.4; DB 7; Length 414;
Best Local Similarity 95.0%; Pred. No. 1,3e+02;
Matches 19; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 AGCGATGAGGAGAGTGCGC 20
DB 337 AGCGATGAGGAGAGTGCGC 356

RESULT 17
US-10-437-963-96792/C
; Sequence 96792, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated with
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53221)B
; CURRENT APPLICATION NUMBER: US/10/437,963
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 96792
; LENGTH: 1034
; TYPE: DNA
; ORGANISM: Oryza sativa
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT4530_94856C.1
US-10-437-963-96792

Query Match 87.6%; Score 18.4; DB 7; Length 1034;
Best Local Similarity 95.0%; Pred. No. 1,1e+02;
Matches 19; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 AGCGATGAGGAGAGTGCGC 20

Db 903 AGGATGAGGAGAGTGGCG 884

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RESULT 18
US-10-437-963-50000
; Sequence 50000, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovacic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated with
; FILE REFERENCE: 38-21(53221)B
; CURRENT APPLICATION NUMBER: US/10/437,963
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 50000
; LENGTH: 189
; TYPE: DNA
; ORGANISM: Oryza sativa
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT4530_5252C.1
US-10-437-963-50000
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Query Match 82.9%; Score 17.4; DB 7; Length 189;
Best Local Similarity 94.7%; Pred. No. 3.8e+02;
Matches 18; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 2 GCGATGAGGAGAGTGGCG 20
Db 119 GCGATGAGGAGAGTGGCG 137

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RESULT 19
US-10-437-963-67166
; Sequence 67166, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovacic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated with
; FILE REFERENCE: 38-21(53221)B
; CURRENT APPLICATION NUMBER: US/10/437,963
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 67166
; LENGTH: 798
; TYPE: DNA
; ORGANISM: Oryza sativa
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT4530_68049C.1
US-10-437-963-67166
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Query Match 82.9%; Score 17.4; DB 7; Length 798;
Best Local Similarity 94.7%; Pred. No. 3.2e+02;
Matches 18; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 2 GCGATGAGGAGAGTGGCG 20
Db 772 GCGATGAGGAGAGTGGCG 790

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RESULT 20
US-10-305-720-893
; Sequence 893, Application US/10305720
; Publication No. US20040010136A1
; GENERAL INFORMATION:
; APPLICANT: Au-Young, Janice K.; Selthamer, Jeffrey J.
; TITLE OF INVENTION: Composition for the Detection of Signaling Pathway Gene Expression
; FILE REFERENCE: PA-0002-1 CON
; CURRENT APPLICATION NUMBER: US/10/305,720
; CURRENT FILING DATE: 2002-11-26
; PRIOR APPLICATION NUMBER: 09/016,434
; PRIOR FILING DATE: 1998-01-30
; NUMBER OF SEQ ID NOS: 1490
; SOFTWARE: PERL Program
; SEQ ID NO 893
; LENGTH: 280
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc.feature
; OTHER INFORMATION: Incyte ID No. US20040010136A1 696484
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1) ... (280)
; OTHER INFORMATION: a, t, c, g, or other
US-10-305-720-893
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Query Match 81.0%; Score 17; DB 6; Length 280;
Best Local Similarity 100.0%; Pred. No. 5.5e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AGGATGAGGAGAGTGG 17
Db 154 AGGATGAGGAGAGTGG 170

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RESULT 21
US-10-779-543-3332
; Sequence 3332, Application US/10779543
; Publication No. US20050227917A1
; GENERAL INFORMATION:
; APPLICANT: Williams et al
; TITLE OF INVENTION: GENE PRODUCTS DIFFERENTIALLY EXPRESSED
; FILE REFERENCE: IN CANCEROUS CELLS AND THEIR METHODS OF USE II
; CURRENT APPLICATION NUMBER: US/10/779,543
; CURRENT FILING DATE: 2004-02-12
; PRIOR APPLICATION NUMBER: 10/076,555
; PRIOR FILING DATE: 2002-02-15
; PRIOR APPLICATION NUMBER: 09/217,471
; PRIOR FILING DATE: 1998-12-21
; PRIOR APPLICATION NUMBER: 60/068,755
; PRIOR FILING DATE: 1997-12-23
; PRIOR APPLICATION NUMBER: 60/080,664
; PRIOR FILING DATE: 1998-04-03
; PRIOR APPLICATION NUMBER: 60/105,234
; PRIOR FILING DATE: 1998-10-21
; PRIOR APPLICATION NUMBER: 09/297,648
; PRIOR FILING DATE: 2000-04-10
; PRIOR APPLICATION NUMBER: PCT/US99/01619
; PRIOR FILING DATE: 1999-01-28
; PRIOR APPLICATION NUMBER: 60/072,910
; PRIOR FILING DATE: 1998-01-28
; PRIOR APPLICATION NUMBER: 60/075,954
; PRIOR FILING DATE: 1998-02-24
; PRIOR APPLICATION NUMBER: 60/080,114
; PRIOR FILING DATE: 1998-03-31
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 23767
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3332
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; LENGTH: 300
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-10-779-543-3332
Query Match      81.0%; Score 17; DB 9; Length 300;
Best Local Similarity 100.0%; Pred. No. 5.4e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 AGCGATGAGGAGAGTG 17
Db      257 AGCGATGAGGAGAGTG 273

RESULT 22
US-09-981-876-24
; Sequence 24, Application US/09981876
; Patent No. US20020164669A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: 70 Human Secreted Proteins
; FILE REFERENCE: P2001P1
; CURRENT APPLICATION NUMBER: US/09/981,876
; PRIOR FILING DATE: 2001-10-19
; PRIOR APPLICATION NUMBER: 09/148,545
; PRIOR FILING DATE: 1997-03-07
; PRIOR APPLICATION NUMBER: 60/040,162
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; PRIOR FILING DATE: 1997-03-07
; PRIOR APPLICATION NUMBER: 60/038,621
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PRIOR APPLICATION NUMBER: 60/047,595
PRIOR FILING DATE: 1997-05-23
PRIOR APPLICATION NUMBER: 60/057,761
PRIOR FILING DATE: 05-Sep-1997
PRIOR APPLICATION NUMBER: 60/047,599
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PRIOR APPLICATION NUMBER: 60/048,964
PRIOR FILING DATE: 1997-06-06
PRIOR APPLICATION NUMBER: 60/057,650
PRIOR FILING DATE: 1997-09-05
PRIOR APPLICATION NUMBER: 60/056,884
PRIOR FILING DATE: 1997-08-22
NUMBER OF SEQ ID NOS: 280
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 24
LENGTH: 796

Query Match 81.0%; Score 17; DB 3; Length 796;
Best Local Similarity 100.0%; Pred. No. 4,8e+02;

Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 AGCGATGAGGAGG 17
Db 246 AGCGATGAGGAGG 262
RESULT 23
US-09-148-545-24
Sequence 24, Application US/09148545
Publication No. US20030027132A1
GENERAL INFORMATION:
APPLICANT: Rosen et al.
TITLE OF INVENTION: 70 Human Secreted Proteins
FILE REFERENCE: P2001p1
CURRENT APPLICATION NUMBER: US/09148,545
CURRENT FILING DATE: 1998-09-04
EARLIER APPLICATION NUMBER: PCT/US98/04482
EARLIER FILING DATE: 1998-03-06
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EARLIER APPLICATION NUMBER: 60/056,875
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,862
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,887
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,908
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/048,964
EARLIER FILING DATE: 1997-06-06
EARLIER APPLICATION NUMBER: 60/057,650
EARLIER FILING DATE: 1997-09-05
EARLIER APPLICATION NUMBER: 60/056,884
EARLIER FILING DATE: 1997-08-22
NUMBER OF SEQ ID NOS: 280
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 24
LENGTH: 796

Query Match 81.0%; Score 17; DB 3; Length 796;
Best Local Similarity 100.0%; Pred. No. 4.8e+02; Indels 0; Gaps 0;
Matches 17; Conservative 0; Mismatches 0;

Qy 1 AGCGATGAGGAGAGTG 17
|||||
Db 246 AGCGATGAGGAGAGTG 262

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RESULT 24
US-10-979-111-24
; Sequence 24, Application US/10979111
; Publication No. US2005021575A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: 70 Human Secreted Proteins
; FILE REFERENCE: P2001P1
; CURRENT APPLICATION NUMBER: US/10/979,111
; CURRENT FILING DATE: 2004-11-02
; PRIOR APPLICATION NUMBER: US/09/621,011
; PRIOR FILING DATE: 2000-07-20
; PRIOR APPLICATION NUMBER: 09/148,545
; PRIOR FILING DATE: 1998-09-04
; PRIOR APPLICATION NUMBER: 60/040,162
; PRIOR FILING DATE: 1997-03-07
; PRIOR APPLICATION NUMBER: 60/040,333
; PRIOR FILING DATE: 1997-03-07
; PRIOR APPLICATION NUMBER: 60/038,621
; PRIOR FILING DATE: 1997-03-07
; PRIOR APPLICATION NUMBER: 60/040,161
; PRIOR FILING DATE: 1997-03-07
; PRIOR APPLICATION NUMBER: 60/040,626
; PRIOR FILING DATE: 1997-03-07
; PRIOR APPLICATION NUMBER: 60/040,334
; PRIOR FILING DATE: 1997-03-07
; PRIOR APPLICATION NUMBER: 60/040,163
; PRIOR FILING DATE: 1997-03-07
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 280
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 24
; LENGTH: 796
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-979-111-24

Query Match      81.0%; Score 17; DB 9; Length 796;
Best Local Similarity 100.0%; Pred. No. 4,8e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 AGCGATGAGGAGGAGTG 17
Db      246 AGCGATGAGGAGGAGTG 262

RESULT 25
US-09-981-876-89
; Sequence 89, Application US/09981876
; Patent No. US2002016469A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: 70 Human Secreted Proteins
; FILE REFERENCE: P2001P1
; CURRENT APPLICATION NUMBER: US/09/981,876
; CURRENT FILING DATE: 2001-10-19
; PRIOR APPLICATION NUMBER: 09/148,545
; PRIOR FILING DATE: 1998-09-04
; PRIOR APPLICATION NUMBER: 60/040,162
; PRIOR FILING DATE: 1997-03-07
; PRIOR APPLICATION NUMBER: 60/040,333
; PRIOR FILING DATE: 1997-03-07
; PRIOR APPLICATION NUMBER: 60/038,621
; PRIOR FILING DATE: 1997-03-07
; PRIOR APPLICATION NUMBER: 60/040,161
; PRIOR FILING DATE: 1997-03-07
; PRIOR APPLICATION NUMBER: 60/040,626
; PRIOR FILING DATE: 1997-03-07
; PRIOR APPLICATION NUMBER: 60/040,334
; PRIOR FILING DATE: 1997-03-07
; PRIOR APPLICATION NUMBER: 60/040,336
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; PRIOR FILING DATE: 1997-03-07
; PRIOR APPLICATION NUMBER: 60/040,163
; PRIOR FILING DATE: 1997-03-07
; PRIOR APPLICATION NUMBER: 60/047,615
; PRIOR FILING DATE: 1997-05-23
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; PRIOR FILING DATE: 1997-05-23
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; PRIOR APPLICATION NUMBER: 60/047,601
; PRIOR FILING DATE: 1997-05-23
; PRIOR APPLICATION NUMBER: 60/043,580
; PRIOR FILING DATE: 1997-04-11
; PRIOR APPLICATION NUMBER: 60/043,568
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; PRIOR APPLICATION NUMBER: 60/043,314
; PRIOR FILING DATE: 1997-04-11
; PRIOR APPLICATION NUMBER: 60/043,569
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; PRIOR FILING DATE: 1997-04-11
; PRIOR APPLICATION NUMBER: 60/043,671
; PRIOR FILING DATE: 1997-04-11
; PRIOR APPLICATION NUMBER: 60/043,674
; PRIOR FILING DATE: 1997-04-11
; PRIOR APPLICATION NUMBER: 60/043,669
; PRIOR FILING DATE: 1997-04-11
; PRIOR APPLICATION NUMBER: 60/043,312
; PRIOR FILING DATE: 1997-04-11
; PRIOR APPLICATION NUMBER: 60/043,313
; PRIOR FILING DATE: 1997-04-11
; PRIOR APPLICATION NUMBER: 60/043,672
; PRIOR FILING DATE: 1997-04-11
; PRIOR APPLICATION NUMBER: 60/043,315
; PRIOR FILING DATE: 1997-04-11
; PRIOR APPLICATION NUMBER: 60/048,974
; PRIOR FILING DATE: 1997-06-06
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PRIOR APPLICATION NUMBER: 60/056,886
PRIOR FILING DATE: 1997-08-22
PRIOR APPLICATION NUMBER: 60/056,877
PRIOR FILING DATE: 1997-08-22
PRIOR APPLICATION NUMBER: 60/056,889
PRIOR FILING DATE: 1997-08-22
PRIOR APPLICATION NUMBER: 60/056,893
PRIOR FILING DATE: 1997-08-22
PRIOR APPLICATION NUMBER: 60/056,630
PRIOR FILING DATE: 1997-08-22
PRIOR APPLICATION NUMBER: 60/056,878
PRIOR FILING DATE: 1997-08-22
PRIOR APPLICATION NUMBER: 60/056,662
PRIOR FILING DATE: 1997-08-22
PRIOR APPLICATION NUMBER: 60/056,872
PRIOR FILING DATE: 1997-08-22
PRIOR APPLICATION NUMBER: 60/056,882
PRIOR FILING DATE: 1997-08-22
PRIOR APPLICATION NUMBER: 60/056,637
PRIOR FILING DATE: 1997-08-22
PRIOR APPLICATION NUMBER: 60/056,903
PRIOR FILING DATE: 1997-08-22
PRIOR APPLICATION NUMBER: 60/056,888
PRIOR FILING DATE: 1997-08-22
PRIOR APPLICATION NUMBER: 60/056,879
PRIOR FILING DATE: 1997-08-22
PRIOR APPLICATION NUMBER: 60/056,880
PRIOR FILING DATE: 1997-08-22
PRIOR APPLICATION NUMBER: 60/056,894
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PRIOR APPLICATION NUMBER: 60/056,874
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PRIOR FILING DATE: 1997-08-22
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PRIOR FILING DATE: 1997-08-22
PRIOR APPLICATION NUMBER: 60/056,631
PRIOR FILING DATE: 1997-08-22
PRIOR APPLICATION NUMBER: 60/056,845
PRIOR FILING DATE: 1997-08-22
PRIOR APPLICATION NUMBER: 60/056,892
PRIOR FILING DATE: 1997-08-22
PRIOR APPLICATION NUMBER: 60/047,595
PRIOR FILING DATE: 1997-05-23
PRIOR APPLICATION NUMBER: 60/057,761
PRIOR FILING DATE: 05-Sep-1997
PRIOR APPLICATION NUMBER: 60/047,599
PRIOR FILING DATE: 1997-05-23
PRIOR APPLICATION NUMBER: 60/047,588
PRIOR FILING DATE: 1997-05-23
PRIOR APPLICATION NUMBER: 60/047,585
PRIOR FILING DATE: 1997-05-23
PRIOR APPLICATION NUMBER: 60/047,586
PRIOR FILING DATE: 1997-05-23
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PRIOR FILING DATE: 1997-05-23
PRIOR APPLICATION NUMBER: 60/047,594
PRIOR FILING DATE: 1997-05-23
PRIOR APPLICATION NUMBER: 60/047,589
PRIOR FILING DATE: 1997-05-23
PRIOR APPLICATION NUMBER: 60/047,593
PRIOR FILING DATE: 1997-05-23
PRIOR APPLICATION NUMBER: 60/047,614
PRIOR FILING DATE: 1997-05-23
PRIOR APPLICATION NUMBER: 60/043,578
PRIOR FILING DATE: 1997-04-11
PRIOR APPLICATION NUMBER: 60/043,576
PRIOR FILING DATE: 1997-04-11
PRIOR APPLICATION NUMBER: 60/047,501

PRIOR FILING DATE: 1997-05-23
PRIOR APPLICATION NUMBER: 60/043,670
PRIOR FILING DATE: 1997-04-11
PRIOR APPLICATION NUMBER: 60/056,632
PRIOR FILING DATE: 1997-08-22
PRIOR APPLICATION NUMBER: 60/056,664
PRIOR FILING DATE: 1997-08-22
PRIOR APPLICATION NUMBER: 60/056,876
PRIOR FILING DATE: 1997-08-22
PRIOR APPLICATION NUMBER: 60/056,881
PRIOR FILING DATE: 1997-08-22
PRIOR APPLICATION NUMBER: 60/056,909
PRIOR FILING DATE: 1997-08-22
PRIOR APPLICATION NUMBER: 60/056,875
PRIOR FILING DATE: 1997-08-22
PRIOR APPLICATION NUMBER: 60/056,862
PRIOR FILING DATE: 1997-08-22
PRIOR APPLICATION NUMBER: 60/056,887
PRIOR FILING DATE: 1997-08-22
PRIOR APPLICATION NUMBER: 60/056,908
PRIOR FILING DATE: 1997-08-22
PRIOR APPLICATION NUMBER: 60/048,964
PRIOR FILING DATE: 1997-06-06
PRIOR APPLICATION NUMBER: 60/057,650
PRIOR FILING DATE: 1997-09-05
PRIOR APPLICATION NUMBER: 60/056,884
PRIOR FILING DATE: 1997-08-22
NUMBER OF SEQ ID NOS: 280
SOFTWARE: Patentln Ver. 2.0
SEQ ID NO 89
LENGTH: 855

Query Match 81.0%; Score 17; DB 3; Length 855;
Best Local Similarity 100.0%; Pred. No. 4,7e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AGCGATGAGGAGGATG 17
Db 124 AGCGATGAGGAGGATG 140

RESULT 26
US-09-148-545-89
Sequence 89, Application US/09148545
Publication No. US2003027132A1
GENERAL INFORMATION:
APPLICANT: Rosen et al.
TITLE OF INVENTION: 70 Human Secreted Proteins
FILE REFERENCE: P2001P1
CURRENT APPLICATION NUMBER: US/09/148,545
CURRENT FILING DATE: 1998-09-04
EARLIER APPLICATION NUMBER: PCT/US98/04482
EARLIER FILING DATE: 1998-03-06
EARLIER APPLICATION NUMBER: 60/040,162
EARLIER FILING DATE: 1997-03-07
EARLIER APPLICATION NUMBER: 60/040,333
EARLIER FILING DATE: 1997-03-07
EARLIER APPLICATION NUMBER: 60/038,621
EARLIER FILING DATE: 1997-03-07
EARLIER APPLICATION NUMBER: 60/040,161
EARLIER FILING DATE: 1997-03-07
EARLIER APPLICATION NUMBER: 60/040,626
EARLIER FILING DATE: 1997-03-07
EARLIER APPLICATION NUMBER: 60/040,334
EARLIER FILING DATE: 1997-03-07
EARLIER APPLICATION NUMBER: 60/040,336
EARLIER FILING DATE: 1997-03-07
EARLIER APPLICATION NUMBER: 60/040,163
EARLIER FILING DATE: 1997-03-07
EARLIER APPLICATION NUMBER: 60/047,615
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,600
EARLIER FILING DATE: 1997-05-23

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EALIER	APPLICATION NUMBER:	60/056, 630
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EALIER	APPLICATION NUMBER:	60/056, 872
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EALIER	APPLICATION NUMBER:	60/056, 882
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EALIER	APPLICATION NUMBER:	60/056, 637
EALIER	FILING DATE:	1997-08-22
EALIER	APPLICATION NUMBER:	60/056, 903
EALIER	FILING DATE:	1997-08-22
EALIER	APPLICATION NUMBER:	60/056, 888
EALIER	FILING DATE:	1997-08-22
EALIER	APPLICATION NUMBER:	60/056, 879
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EALIER	APPLICATION NUMBER:	60/056, 874
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EALIER	APPLICATION NUMBER:	60/056, 864
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EALIER	APPLICATION NUMBER:	60/056, 631
EALIER	FILING DATE:	1997-08-22
EALIER	APPLICATION NUMBER:	60/056, 845
EALIER	FILING DATE:	1997-08-22
EALIER	APPLICATION NUMBER:	60/056, 892
EALIER	FILING DATE:	1997-08-22
EALIER	APPLICATION NUMBER:	60/047, 559
EALIER	FILING DATE:	1997-05-23
EALIER	APPLICATION NUMBER:	60/047, 588
EALIER	FILING DATE:	1997-05-23
EALIER	APPLICATION NUMBER:	60/047, 585
EALIER	FILING DATE:	1997-05-23
EALIER	APPLICATION NUMBER:	60/047, 566
EALIER	FILING DATE:	1997-05-23
EALIER	APPLICATION NUMBER:	60/047, 590
EALIER	FILING DATE:	1997-05-23
EALIER	APPLICATION NUMBER:	60/047, 594
EALIER	FILING DATE:	1997-05-23
EALIER	APPLICATION NUMBER:	60/047, 589
EALIER	FILING DATE:	1997-05-23
EALIER	APPLICATION NUMBER:	60/047, 578
EALIER	FILING DATE:	1997-04-11
EALIER	APPLICATION NUMBER:	60/043, 576
EALIER	FILING DATE:	1997-04-11
EALIER	APPLICATION NUMBER:	60/047, 501
EALIER	FILING DATE:	1997-05-23
EALIER	APPLICATION NUMBER:	60/043, 670
EALIER	FILING DATE:	1997-04-11
EALIER	APPLICATION NUMBER:	60/056, 632
EALIER	FILING DATE:	1997-08-22
EALIER	APPLICATION NUMBER:	60/056, 666
EALIER	FILING DATE:	1997-08-22

EARLIER APPLICATION NUMBER: 60/056,876
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,881
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,909
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,875
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,862
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,887
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,908
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/048,964
EARLIER FILING DATE: 1997-06-06
EARLIER APPLICATION NUMBER: 60/057,650
EARLIER FILING DATE: 1997-09-05
EARLIER APPLICATION NUMBER: 60/056,884
EARLIER FILING DATE: 1997-08-22
NUMBER OF SEQ ID NOS: 280
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 89
LENGTH: 855

Query Match 81.0%; Score 17; DB 3; Length 855;
Best Local Similarity 100.0%; Pred. No. 4.7e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 AGCGATGAGGAGGAGTG 17
Db 124 AGCGATGAGGAGGAGTG 140

RESULT 27
US-10-979-111-89
Sequence 89, Application US/10979111
Publication No. US20050215775A1
GENERAL INFORMATION:
APPLICANT: Rosen et al.
TITLE OF INVENTION: 70 Human Secreted Proteins
FILE REFERENCE: P2001P1
CURRENT APPLICATION NUMBER: US/10/979,111
CURRENT FILING DATE: 2004-11-02
PRIOR APPLICATION NUMBER: US/09/621,011
PRIOR FILING DATE: 2000-07-20
PRIOR APPLICATION NUMBER: 09/148,545
PRIOR FILING DATE: 1998-09-04
PRIOR APPLICATION NUMBER: 60/040,162
PRIOR FILING DATE: 1997-03-07
PRIOR APPLICATION NUMBER: 60/040,333
PRIOR FILING DATE: 1997-03-07
PRIOR APPLICATION NUMBER: 60/038,621
PRIOR FILING DATE: 1997-03-07
PRIOR APPLICATION NUMBER: 60/040,161
PRIOR FILING DATE: 1997-03-07
PRIOR APPLICATION NUMBER: 60/040,626
PRIOR FILING DATE: 1997-03-07
PRIOR APPLICATION NUMBER: 60/040,334
PRIOR FILING DATE: 1997-03-07
PRIOR APPLICATION NUMBER: 60/040,336
PRIOR FILING DATE: 1997-03-07
PRIOR APPLICATION NUMBER: 60/040,163
PRIOR FILING DATE: 1997-03-07
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 280
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 89
LENGTH: 855
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: SITE

LOCATION: (103)
OTHER INFORMATION: n equals a,t,g, or c
FEATURE:
NAME/KEY: SITE
LOCATION: (767)
OTHER INFORMATION: n equals a,t,g, or c
FEATURE:
NAME/KEY: SITE
LOCATION: (831)
OTHER INFORMATION: n equals a,t,g, or c
US-10-979-111-89

Query Match 81.0%; Score 17; DB 9; Length 855;
Best Local Similarity 100.0%; Pred. No. 4.7e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 AGCGATGAGGAGGAGTG 17
Db 124 AGCGATGAGGAGGAGTG 140

RESULT 28
US-10-450-763-18397
Sequence 18397, Application US/10450763
Publication No. US20050196754A1
GENERAL INFORMATION:
APPLICANT: Hyseq, Inc
TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES
FILE REFERENCE: 790CIP3/US
CURRENT APPLICATION NUMBER: US/10/450,763
CURRENT FILING DATE: 2003-06-11
PRIOR APPLICATION NUMBER: PCT/US01/08631
PRIOR FILING DATE: 2001-03-30
PRIOR APPLICATION NUMBER: 09/540,217
PRIOR FILING DATE: 2000-03-31
PRIOR APPLICATION NUMBER: 09/649,167
PRIOR FILING DATE: 2000-08-23
NUMBER OF SEQ ID NOS: 60736
SOFTWARE: Cuelom
SEQ ID NO 18397
LENGTH: 1015
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: SIMILAR
LOCATION: (381)..(515)
OTHER INFORMATION: 95% homologous to Homo sapiens 8D6 antigen, accession number
US-10-450-763-18397

Query Match 81.0%; Score 17; DB 9; Length 1015;
Best Local Similarity 100.0%; Pred. No. 4.6e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 AGCGATGAGGAGGAGTG 17
Db 492 AGCGATGAGGAGGAGTG 508

RESULT 29
US-09-909-320-126
Sequence 126, Application US/09909320
Patent No. US20020132240A1
GENERAL INFORMATION:
APPLICANT: Genentech, Inc.
APPLICANT: Ashkenazi, Avi
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Baton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Filvaroff, Ellen
APPLICANT: Fong, Sherman
APPLICANT: Gao, Wei-Qiang

APPLICANT: Gerber, Hanspeter
APPLICANT: Gerltsen, Mary E.
APPLICANT: Goddard, A.
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, Christopher J.
APPLICANT: Guiney, Austin L.
APPLICANT: Hillan, Kenneth, J.
APPLICANT: Kljavin, Ivar J.
APPLICANT: Mather, Jennie P.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William, I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: 10466-14
CURRENT APPLICATION NUMBER: US/09/909,320
CURRENT FILING DATE: 2002-01-04
PRIOR APPLICATION NUMBER: PCT/US00/04414
PRIOR FILING DATE: 2000-02-22
PRIOR APPLICATION NUMBER: US 60/143,048
PRIOR FILING DATE: 1999-07-07
PRIOR APPLICATION NUMBER: US 60/145,698
PRIOR FILING DATE: 1999-07-26
PRIOR APPLICATION NUMBER: US 60/146,222
PRIOR FILING DATE: 1999-07-28
PRIOR APPLICATION NUMBER: PCT/US99/20594
PRIOR FILING DATE: 1999-09-08
PRIOR APPLICATION NUMBER: PCT/US99/20944
PRIOR FILING DATE: 1999-09-13
PRIOR APPLICATION NUMBER: PCT/US99/21090
PRIOR FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: PCT/US99/21547
PRIOR FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: PCT/US99/23089
PRIOR FILING DATE: 1999-10-05
PRIOR APPLICATION NUMBER: PCT/US99/28214
PRIOR FILING DATE: 1999-11-29
PRIOR APPLICATION NUMBER: PCT/US99/28313
PRIOR FILING DATE: 1999-11-30
PRIOR APPLICATION NUMBER: PCT/US99/28564
PRIOR FILING DATE: 1999-12-02
PRIOR APPLICATION NUMBER: PCT/US99/28565
PRIOR FILING DATE: 1999-12-02
PRIOR APPLICATION NUMBER: PCT/US99/30095
PRIOR FILING DATE: 1999-12-16
PRIOR APPLICATION NUMBER: PCT/US99/30911
PRIOR FILING DATE: 1999-12-20
PRIOR APPLICATION NUMBER: PCT/US99/30999
PRIOR FILING DATE: 1999-12-20
PRIOR APPLICATION NUMBER: PCT/US00/00219
PRIOR FILING DATE: 2000-01-05
NUMBER OF SEQ ID NOS: 423
SEQ ID NO 126
LENGTH: 1210
TYPE: DNA
ORGANISM: Homo sapiens
US-09-909-320-126

Query Match 81.0%; Score 17; DB 3; Length 1210;
Best Local Similarity 100.0%; Pred. No. 4.5e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 AGCGATGAGGAGGATG 17
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Db 282 AGCGATGAGGAGGATG 298

RESULT 30
US-09-909-088B-126

Sequence 126, Application US/09909088B
Patent No. US20020146709A1
GENERAL INFORMATION:
APPLICANT: Genentech, Inc.
APPLICANT: Ashkenazi, Avi
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Filvaroff, Ellen
APPLICANT: Fong, Sherman
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerltsen, Mary E.
APPLICANT: Goddard, A.
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, Christopher J.
APPLICANT: Guiney, Austin L.
APPLICANT: Hillan, Kenneth, J.
APPLICANT: Kljavin, Ivar J.
APPLICANT: Mather, Jennie P.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William, I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: 10466-14
CURRENT APPLICATION NUMBER: US/09/909,088B
CURRENT FILING DATE: 2001-07-18
PRIOR APPLICATION NUMBER: PCT/US00/04414
PRIOR FILING DATE: 2000-02-22
PRIOR APPLICATION NUMBER: US 60/143,048
PRIOR FILING DATE: 1999-07-07
PRIOR APPLICATION NUMBER: US 60/145,698
PRIOR FILING DATE: 1999-07-26
PRIOR APPLICATION NUMBER: US 60/146,222
PRIOR FILING DATE: 1999-07-28
PRIOR APPLICATION NUMBER: PCT/US99/20594
PRIOR FILING DATE: 1999-09-08
PRIOR APPLICATION NUMBER: PCT/US99/20944
PRIOR FILING DATE: 1999-09-13
PRIOR APPLICATION NUMBER: PCT/US99/21090
PRIOR FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: PCT/US99/21547
PRIOR FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: PCT/US99/23089
PRIOR FILING DATE: 1999-10-05
PRIOR APPLICATION NUMBER: PCT/US99/28214
PRIOR FILING DATE: 1999-11-29
PRIOR APPLICATION NUMBER: PCT/US99/28313
PRIOR FILING DATE: 1999-11-30
PRIOR APPLICATION NUMBER: PCT/US99/28564
PRIOR FILING DATE: 1999-12-02
PRIOR APPLICATION NUMBER: PCT/US99/28565
PRIOR FILING DATE: 1999-12-02
PRIOR APPLICATION NUMBER: PCT/US99/30095
PRIOR FILING DATE: 1999-12-16
PRIOR APPLICATION NUMBER: PCT/US99/30911
PRIOR FILING DATE: 1999-12-20
PRIOR APPLICATION NUMBER: PCT/US99/30999
PRIOR FILING DATE: 1999-12-20
PRIOR APPLICATION NUMBER: PCT/US00/00219
PRIOR FILING DATE: 2000-01-05
NUMBER OF SEQ ID NOS: 423
SEQ ID NO 126
LENGTH: 1210
TYPE: DNA
ORGANISM: Homo sapiens
US-09-909-088B-126

Query Match 81.0%; Score 17; DB 3; Length 1210;
Best Local Similarity 100.0%; Pred. No. 4.5e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 AGCGATGAGGAGGTG 17
DB 282 AGCGATGAGGAGGTG 298

RESULT 31
US-09-905-291A-126
; Sequence 126, Application US/09905291A
; Patent No. US20020160374A1
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Baton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerltsen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Kijavln, Ivar J.
; APPLICANT: Mathier, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumaas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/905,291A
; CURRENT FILING DATE: 2001-07-12
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: PCT/US99/28214
; PRIOR FILING DATE: 1999-11-29
; PRIOR APPLICATION NUMBER: PCT/US99/28313
; PRIOR FILING DATE: 1999-11-30
; PRIOR APPLICATION NUMBER: PCT/US99/28564
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/28565
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: 1999-12-16

; PRIOR APPLICATION NUMBER: PCT/US99/30911
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US99/30999
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; PRIOR FILING DATE: 2000-01-05
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 126
; LENGTH: 1210
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-905-291A-126

Query Match 81.0%; Score 17; DB 3; Length 1210;
Best Local Similarity 100.0%; Pred. No. 4.5e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 AGCGATGAGGAGGTG 17
DB 282 AGCGATGAGGAGGTG 298

RESULT 32
US-09-902-853-126
; Sequence 126, Application US/09902853
; Publication No. US20020192659A1
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Baton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerltsen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Kijavln, Ivar J.
; APPLICANT: Mathier, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumaas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/902,853
; CURRENT FILING DATE: 2001-07-10
; PRIOR APPLICATION NUMBER: US/09/665,350
; PRIOR FILING DATE: 2000-09-18
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15


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; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: PCT/US99/28214
; PRIOR FILING DATE: 1999-11-29
; PRIOR APPLICATION NUMBER: PCT/US99/28313
; PRIOR FILING DATE: 1999-11-30
; PRIOR APPLICATION NUMBER: PCT/US99/28564
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/28565
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: PCT/US99/30911
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US99/30999
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; PRIOR FILING DATE: 2000-01-05
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 126
; LENGTH: 1210
; TYPE: DNA
; ORGANISM: Homo Sapien
; US-09-902-853-126

Query Match      81.0%; Score 17; DB 3; Length 1210;
Best Local Similarity 100.0%; Pred. No. 4.5e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 AGCGATGAGGAGGAGTG 17
Db      282 AGCGATGAGGAGGAGTG 298

RESULT 33
; US-09-907-824-126
; Sequence 126, Application US/09907824
; Publication No. US20020197671A1
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerlitsen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Kijavain, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Thomas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/907, 824
; PRIOR FILING DATE: 2001-07-17
; PRIOR APPLICATION NUMBER: 09/665,350
; PRIOR FILING DATE: 2000-09-18
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
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; PRIOR APPLICATION NUMBER: US 60/143, 048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145, 698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146, 222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: PCT/US99/28214
; PRIOR FILING DATE: 1999-11-29
; PRIOR APPLICATION NUMBER: PCT/US99/28313
; PRIOR FILING DATE: 1999-11-30
; PRIOR APPLICATION NUMBER: PCT/US99/28564
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/28565
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: PCT/US99/30911
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US99/30999
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; PRIOR FILING DATE: 2000-01-05
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 126
; LENGTH: 1210
; TYPE: DNA
; ORGANISM: Homo Sapien
; US-09-907-824-126

Query Match      81.0%; Score 17; DB 3; Length 1210;
Best Local Similarity 100.0%; Pred. No. 4.5e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 AGCGATGAGGAGGAGTG 17
Db      282 AGCGATGAGGAGGAGTG 298

RESULT 34
; US-09-907-841-126
; Sequence 126, Application US/09907841
; Publication No. US20020198366A1
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerlitsen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Kijavain, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
```

```

; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/907,841
; PRIOR FILING DATE: 2001-11-20
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: PCT/US99/28214
; PRIOR FILING DATE: 1999-11-29
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 126
; LENGTH: 1210
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-907-841-126

Query Match      81.0%; Score 17; DB 3; Length 1210;
Best Local Similarity 100.0%; Pred. No. 4.5e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 AGCGATGAGGAGGAGTG 17
Db      282 AGCGATGAGGAGGAGTG 298

RESULT 35
US-09-904-011-126
; Sequence 126, Application US/09904011
; Publication No. US20030003530A1
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerltsen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Kijavrin, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
```

```

; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/904,011
; PRIOR FILING DATE: 2001-07-11
; PRIOR APPLICATION NUMBER: 09/665,350
; PRIOR FILING DATE: 2000-09-18
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: PCT/US99/28214
; PRIOR FILING DATE: 1999-11-29
; PRIOR APPLICATION NUMBER: PCT/US99/28313
; PRIOR FILING DATE: 1999-11-30
; PRIOR APPLICATION NUMBER: PCT/US99/28564
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/28565
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: PCT/US99/30911
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US99/30999
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 126
; LENGTH: 1210
; TYPE: DNA
; ORGANISM: Homo Sapien
US-09-904-011-126

Query Match      81.0%; Score 17; DB 3; Length 1210;
Best Local Similarity 100.0%; Pred. No. 4.5e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 AGCGATGAGGAGGAGTG 17
Db      282 AGCGATGAGGAGGAGTG 298

RESULT 36
US-09-903-640-126
; Sequence 126, Application US/09903640
; Publication No. US20030017463A1
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
```

```

; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Kijavlin, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Thomas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/903,640
; CURRENT FILING DATE: 2001-07-11
; PRIOR APPLICATION NUMBER: 09/665,350
; PRIOR FILING DATE: 2000-09-18
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 126
; LENGTH: 1210
; TYPE: DNA
; ORGANISM: Homo Sapien
US-09-903-640-126

```

```

Query Match      81.0%; Score 17; DB 3; Length 1210;
Best Local Similarity 100.0%; Pred. No. 4.5e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY      1 AGCGATGAGGAGGATG 17
DB      282 AGCGATGAGGAGGATG 298

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RESULT 37
US-09-908-093-126
; Sequence 126, Application US/09908093
; Publication No. US20030017498A1
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Kijavlin, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Thomas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/908,093
; CURRENT FILING DATE: 2001-07-17
; PRIOR APPLICATION NUMBER: 09/665,350
; PRIOR FILING DATE: 2000-09-18
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 126
; LENGTH: 1210
; TYPE: DNA
; ORGANISM: Homo Sapien
US-09-908-093-126

```

```

; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/908,093
; CURRENT FILING DATE: 2001-07-17
; PRIOR APPLICATION NUMBER: 09/665,350
; PRIOR FILING DATE: 2000-09-18
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: PCT/US99/28214
; PRIOR FILING DATE: 1999-11-29
; PRIOR APPLICATION NUMBER: PCT/US99/28313
; PRIOR FILING DATE: 1999-11-30
; PRIOR APPLICATION NUMBER: PCT/US99/28564
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/28565
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: PCT/US99/30911
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US99/30999
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; PRIOR FILING DATE: 2000-01-05
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 126
; LENGTH: 1210
; TYPE: DNA
; ORGANISM: Homo Sapien
US-09-908-093-126

```

```

Query Match      81.0%; Score 17; DB 3; Length 1210;
Best Local Similarity 100.0%; Pred. No. 4.5e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY      1 AGCGATGAGGAGGATG 17
DB      282 AGCGATGAGGAGGATG 298

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RESULT 38
US-09-906-742-126
; Sequence 126, Application US/09906742
; Publication No. US20030023054A1
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.

```

```

/ APPLICANT: Grimaldi, Christopher J.
/ APPLICANT: Gurney, Austin L.
/ APPLICANT: Hillan, Kenneth, J.
/ APPLICANT: Kljavin, Ivar J.
/ APPLICANT: Mather, Jennie P.
/ APPLICANT: Pan, James
/ APPLICANT: Paoni, Nicholas F.
/ APPLICANT: Roy, Margaret Ann
/ APPLICANT: Stewart, Timothy A.
/ APPLICANT: Tumas, Daniel
/ APPLICANT: Williams, P. Mickey
/ APPLICANT: Wood, William, I.
/ TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
/ FILE OF INVENTION: Acids Encoding the Same
/ FILE REFERENCE: 10466-14
/ CURRENT APPLICATION NUMBER: US/09/906,742
/ PRIOR FILING DATE: 2001-07-16
/ PRIOR APPLICATION NUMBER: 09/665,350
/ PRIOR FILING DATE: 2000-09-18
/ PRIOR APPLICATION NUMBER: PCT/US00/04414
/ PRIOR FILING DATE: 2000-02-22
/ PRIOR APPLICATION NUMBER: US 60/143,048
/ PRIOR FILING DATE: 1999-07-07
/ PRIOR APPLICATION NUMBER: US 60/145,698
/ PRIOR FILING DATE: 1999-07-26
/ PRIOR APPLICATION NUMBER: US 60/146,222
/ PRIOR FILING DATE: 1999-07-28
/ PRIOR APPLICATION NUMBER: PCT/US99/20594
/ PRIOR FILING DATE: 1999-09-08
/ PRIOR APPLICATION NUMBER: PCT/US99/20944
/ PRIOR FILING DATE: 1999-09-13
/ PRIOR APPLICATION NUMBER: PCT/US99/21090
/ PRIOR FILING DATE: 1999-09-15
/ PRIOR APPLICATION NUMBER: PCT/US99/21547
/ PRIOR FILING DATE: 1999-09-15
/ PRIOR APPLICATION NUMBER: PCT/US99/223089
/ PRIOR FILING DATE: 1999-10-05
/ PRIOR APPLICATION NUMBER: PCT/US99/28214
/ PRIOR FILING DATE: 1999-11-29
/ PRIOR APPLICATION NUMBER: PCT/US99/28313
/ PRIOR FILING DATE: 1999-11-30
/ PRIOR APPLICATION NUMBER: PCT/US99/28564
/ PRIOR FILING DATE: 1999-12-02
/ PRIOR APPLICATION NUMBER: PCT/US99/28565
/ PRIOR FILING DATE: 1999-12-02
/ PRIOR APPLICATION NUMBER: PCT/US99/30095
/ PRIOR FILING DATE: 1999-12-16
/ PRIOR APPLICATION NUMBER: PCT/US99/30911
/ PRIOR FILING DATE: 1999-12-20
/ PRIOR APPLICATION NUMBER: PCT/US99/30999
/ PRIOR FILING DATE: 1999-12-20
/ PRIOR APPLICATION NUMBER: PCT/US00/00219
/ NUMBER OF SEQ ID NOS: 423
/ SEQ ID NO 126
/ LENGTH: 1210
/ TYPE: DNA
/ ORGANISM: Homo Sapien
US-09-906-742-126

Query Match      81.0%; Score 17; DB 3; Length 1210;
Best Local Similarity 100.0%; Freq. No. 4.5e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy      1 AGCGATGAGGAGAGTG 17
Db      282 AGCGATGAGGAGAGTG 298

RESULT 39
US-09-906-838-126
/ Sequence 126, Application US/09906838
/ Publication No. US20030027143A1
```

```

/ GENERAL INFORMATION:
/ APPLICANT: Genentech, Inc.
/ APPLICANT: Ashkenazi, Avi
/ APPLICANT: Botstein, David
/ APPLICANT: Desnoyers, Luc
/ APPLICANT: Eaton, Dan L.
/ APPLICANT: Ferrara, Napoleone
/ APPLICANT: Filvaroff, Ellen
/ APPLICANT: Fong, Sherman
/ APPLICANT: Gao, Wei-Qiang
/ APPLICANT: Gerber, Hanspeter
/ APPLICANT: Gerltzen, Mary E.
/ APPLICANT: Goddard, A.
/ APPLICANT: Godowski, Paul J.
/ APPLICANT: Grimaldi, Christopher J.
/ APPLICANT: Gurney, Austin L.
/ APPLICANT: Hillan, Kenneth, J.
/ APPLICANT: Kljavin, Ivar J.
/ APPLICANT: Mather, Jennie P.
/ APPLICANT: Pan, James
/ APPLICANT: Paoni, Nicholas F.
/ APPLICANT: Roy, Margaret Ann
/ APPLICANT: Stewart, Timothy A.
/ APPLICANT: Tumas, Daniel
/ APPLICANT: Williams, P. Mickey
/ APPLICANT: Wood, William, I.
/ TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
/ FILE OF INVENTION: Acids Encoding the Same
/ FILE REFERENCE: 10466-14
/ CURRENT APPLICATION NUMBER: US/09/906,838
/ PRIOR FILING DATE: 2001-07-16
/ PRIOR APPLICATION NUMBER: 09/665,350
/ PRIOR FILING DATE: 2000-09-18
/ PRIOR APPLICATION NUMBER: PCT/US00/04414
/ PRIOR FILING DATE: 2000-02-22
/ PRIOR APPLICATION NUMBER: US 60/143,048
/ PRIOR FILING DATE: 1999-07-07
/ PRIOR APPLICATION NUMBER: US 60/145,698
/ PRIOR FILING DATE: 1999-07-26
/ PRIOR APPLICATION NUMBER: PCT/US99/21090
/ PRIOR FILING DATE: 1999-07-28
/ PRIOR APPLICATION NUMBER: PCT/US99/21547
/ PRIOR FILING DATE: 1999-09-15
/ PRIOR APPLICATION NUMBER: PCT/US99/223089
/ PRIOR FILING DATE: 1999-10-05
/ PRIOR APPLICATION NUMBER: PCT/US99/28214
/ PRIOR FILING DATE: 1999-11-29
/ PRIOR APPLICATION NUMBER: PCT/US99/28313
/ PRIOR FILING DATE: 1999-11-30
/ PRIOR APPLICATION NUMBER: PCT/US99/28564
/ PRIOR FILING DATE: 1999-12-02
/ PRIOR APPLICATION NUMBER: PCT/US99/28565
/ PRIOR FILING DATE: 1999-12-02
/ PRIOR APPLICATION NUMBER: PCT/US99/30095
/ PRIOR FILING DATE: 1999-12-16
/ PRIOR APPLICATION NUMBER: PCT/US99/30911
/ PRIOR FILING DATE: 1999-12-20
/ PRIOR APPLICATION NUMBER: PCT/US99/30999
/ PRIOR FILING DATE: 1999-12-20
/ PRIOR APPLICATION NUMBER: PCT/US00/00219
/ NUMBER OF SEQ ID NOS: 423
/ SEQ ID NO 126
/ LENGTH: 1210
/ TYPE: DNA
/ ORGANISM: Homo Sapien
US-09-906-838-126
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Query Match 81.0%; Score 17; DB 3; Length 1210;
Best Local Similarity 100.0%; Pred. No. 4.5e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 AGCGATGAGAGAGATG 17
Db 282 AGCGATGAGAGAGATG 298

RESULT 40
US-09-907-613-126

; Sequence 126, Application US/09907613
; Publication No. US20030027145A1
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Batton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerltzen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Kijavlin, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Thomas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/907,613
; CURRENT FILING DATE: 2001-07-17
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: PCT/US99/28214
; PRIOR FILING DATE: 1999-11-29
; PRIOR APPLICATION NUMBER: PCT/US99/28313
; PRIOR FILING DATE: 1999-11-30
; PRIOR APPLICATION NUMBER: PCT/US99/28564
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/28565
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: 1999-12-16

; PRIOR APPLICATION NUMBER: PCT/US99/30911
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US99/30999
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; PRIOR FILING DATE: 2000-01-05
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 126
; LENGTH: 1210
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-907-613-126

Query Match 81.0%; Score 17; DB 3; Length 1210;
Best Local Similarity 100.0%; Pred. No. 4.5e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 AGCGATGAGAGAGATG 17
Db 282 AGCGATGAGAGAGATG 298

RESULT 41
US-09-907-942-126

; Sequence 126, Application US/09907942
; Publication No. US20030027146A1
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Batton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerltzen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Kijavlin, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Thomas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/907,942
; CURRENT FILING DATE: 2002-01-22
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15

```

; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: PCT/US99/28214
; PRIOR FILING DATE: 1999-11-29
; PRIOR APPLICATION NUMBER: PCT/US99/28313
; PRIOR FILING DATE: 1999-11-30
; PRIOR APPLICATION NUMBER: PCT/US99/28564
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/28565
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: PCT/US99/30911
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US99/30999
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; PRIOR FILING DATE: 2000-01-05
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 126
; LENGTH: 1210
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-09-907-942-126
```

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Query Match      81.0%; Score 17; DB 3; Length 1210;
Best Local Similarity 100.0%; Pred. No. 4.5e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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```

QY      1 AGCGATGAGGAGGATG 17
Db      282 AGCGATGAGGAGGATG 298
```

RESULT 42

```

; Sequence 126, Application US/09904859
; Publication No. US2003036060A1
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/904,859
; PRIOR APPLICATION NUMBER: 2001-07-12
; PRIOR APPLICATION NUMBER: 09/665,350
; PRIOR FILING DATE: 2000-09-18
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
```

```

; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: PCT/US99/28214
; PRIOR FILING DATE: 1999-11-29
; PRIOR APPLICATION NUMBER: PCT/US99/28313
; PRIOR FILING DATE: 1999-11-30
; PRIOR APPLICATION NUMBER: PCT/US99/28564
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/28565
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: PCT/US99/30911
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US99/30999
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; PRIOR FILING DATE: 2000-01-05
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 126
; LENGTH: 1210
; TYPE: DNA
; ORGANISM: Homo Sapien
; US-09-904-859-126
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```

Query Match      81.0%; Score 17; DB 3; Length 1210;
Best Local Similarity 100.0%; Pred. No. 4.5e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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```

QY      1 AGCGATGAGGAGGATG 17
Db      282 AGCGATGAGGAGGATG 298
```

RESULT 43

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; Sequence 126, Application US/09909204
; Publication No. US2003036061A1
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
```

```
/ APPLICANT: Roy, Margaret Ann
/ APPLICANT: Stewart, Timothy A.
/ APPLICANT: Tumas, Daniel
/ APPLICANT: Williams, P. Mickey
/ APPLICANT: Wood, William, I.
/ TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
/ FILE REFERENCE: 10466-14
/ CURRENT APPLICATION NUMBER: US/09/909,204
/ PRIOR APPLICATION NUMBER: PCT/US00/04414
/ PRIOR FILING DATE: 2000-02-22
/ PRIOR APPLICATION NUMBER: US 60/143,048
/ PRIOR FILING DATE: 1999-07-07
/ PRIOR APPLICATION NUMBER: US 60/145,698
/ PRIOR FILING DATE: 1999-07-26
/ PRIOR APPLICATION NUMBER: US 60/146,222
/ PRIOR FILING DATE: 1999-07-28
/ PRIOR APPLICATION NUMBER: PCT/US99/20594
/ PRIOR FILING DATE: 1999-09-08
/ PRIOR APPLICATION NUMBER: PCT/US99/20944
/ PRIOR FILING DATE: 1999-09-13
/ PRIOR APPLICATION NUMBER: PCT/US99/21090
/ PRIOR FILING DATE: 1999-09-15
/ PRIOR APPLICATION NUMBER: PCT/US99/21547
/ PRIOR FILING DATE: 1999-09-15
/ PRIOR APPLICATION NUMBER: PCT/US99/23089
/ PRIOR FILING DATE: 1999-10-05
/ PRIOR APPLICATION NUMBER: PCT/US99/28214
/ PRIOR FILING DATE: 1999-11-29
/ PRIOR APPLICATION NUMBER: PCT/US99/28313
/ PRIOR FILING DATE: 1999-11-30
/ PRIOR APPLICATION NUMBER: PCT/US99/28564
/ PRIOR FILING DATE: 1999-12-02
/ PRIOR APPLICATION NUMBER: PCT/US99/28565
/ PRIOR FILING DATE: 1999-12-02
/ PRIOR APPLICATION NUMBER: PCT/US99/30095
/ PRIOR FILING DATE: 1999-12-16
/ PRIOR APPLICATION NUMBER: PCT/US99/30911
/ PRIOR FILING DATE: 1999-12-20
/ PRIOR APPLICATION NUMBER: PCT/US99/30999
/ PRIOR FILING DATE: 1999-12-20
/ PRIOR APPLICATION NUMBER: PCT/US00/00219
/ PRIOR FILING DATE: 2000-01-05
/ NUMBER OF SEQ ID NOS: 423
/ SEQ ID NO 126
/ LENGTH: 1210
/ TYPE: DNA
/ ORGANISM: Homo sapiens
US-09-909-204-126

Query Match      81.0%; Score 17; DB 3; Length 1210;
Best Local Similarity 100.0%; Pred. No. 4.5e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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```
QY      1 AGCGATGAGGAGGATG 17
Db      282 AGCGATGAGGAGGATG 298

RESULT 44
US-09-904-820-126
/ Sequence 126, Application US/09904820
/ Publication No. US20030036094A1
/ GENERAL INFORMATION:
/ APPLICANT: Genentech, Inc.
/ APPLICANT: Ashkenazi, Avi
/ APPLICANT: Botstein, David
/ APPLICANT: Desnoyers, Luc
/ APPLICANT: Eaton, Dan L.
/ APPLICANT: Ferrara, Napoleone
/ APPLICANT: Filvaroff, Ellen
/ APPLICANT: Fong, Sherman
```

```
/ APPLICANT: Gao, Wei-Qiang
/ APPLICANT: Gerber, Hanspeter
/ APPLICANT: Geritsen, Mary E.
/ APPLICANT: Goddard, A.
/ APPLICANT: Godowski, Paul J.
/ APPLICANT: Grimaldi, Christopher J.
/ APPLICANT: Gurney, Austin L.
/ APPLICANT: Hillan, Kenneth, J.
/ APPLICANT: Kijavir, Ivar J.
/ APPLICANT: Mather, Jennie P.
/ APPLICANT: Pan, James
/ APPLICANT: Paoni, Nicholas F.
/ APPLICANT: Roy, Margaret Ann
/ APPLICANT: Stewart, Timothy A.
/ APPLICANT: Tumas, Daniel
/ APPLICANT: Williams, P. Mickey
/ APPLICANT: Wood, William, I.
/ TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
/ FILE REFERENCE: 10466-14
/ CURRENT APPLICATION NUMBER: US/09/904,820
/ PRIOR APPLICATION NUMBER: 09/665,350
/ PRIOR FILING DATE: 2000-09-18
/ PRIOR APPLICATION NUMBER: PCT/US00/04414
/ PRIOR FILING DATE: 2000-02-22
/ PRIOR APPLICATION NUMBER: US 60/143,048
/ PRIOR FILING DATE: 1999-07-07
/ PRIOR APPLICATION NUMBER: US 60/145,698
/ PRIOR FILING DATE: 1999-07-26
/ PRIOR APPLICATION NUMBER: US 60/146,222
/ PRIOR FILING DATE: 1999-07-28
/ PRIOR APPLICATION NUMBER: PCT/US99/20594
/ PRIOR FILING DATE: 1999-09-08
/ PRIOR APPLICATION NUMBER: PCT/US99/20944
/ PRIOR FILING DATE: 1999-09-13
/ PRIOR APPLICATION NUMBER: PCT/US99/21090
/ PRIOR FILING DATE: 1999-09-15
/ PRIOR APPLICATION NUMBER: PCT/US99/21547
/ PRIOR FILING DATE: 1999-09-15
/ PRIOR APPLICATION NUMBER: PCT/US99/23089
/ PRIOR FILING DATE: 1999-10-05
/ PRIOR APPLICATION NUMBER: PCT/US99/28214
/ PRIOR FILING DATE: 1999-11-29
/ PRIOR APPLICATION NUMBER: PCT/US99/28313
/ PRIOR FILING DATE: 1999-11-30
/ PRIOR APPLICATION NUMBER: PCT/US99/28564
/ PRIOR FILING DATE: 1999-12-02
/ PRIOR APPLICATION NUMBER: PCT/US99/28565
/ PRIOR FILING DATE: 1999-12-02
/ PRIOR APPLICATION NUMBER: PCT/US99/30095
/ PRIOR FILING DATE: 1999-12-16
/ PRIOR APPLICATION NUMBER: PCT/US99/30911
/ PRIOR FILING DATE: 1999-12-20
/ PRIOR APPLICATION NUMBER: PCT/US99/30999
/ PRIOR FILING DATE: 1999-12-20
/ PRIOR APPLICATION NUMBER: PCT/US00/00219
/ PRIOR FILING DATE: 2000-01-05
/ NUMBER OF SEQ ID NOS: 423
/ SEQ ID NO 126
/ LENGTH: 1210
/ TYPE: DNA
/ ORGANISM: Homo Sapien
US-09-904-820-126

Query Match      81.0%; Score 17; DB 3; Length 1210;
Best Local Similarity 100.0%; Pred. No. 4.5e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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```
QY      1 AGCGATGAGGAGGATG 17
Db      282 AGCGATGAGGAGGATG 298
```

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RESULT 45
US-09-904-786-126
; Sequence 126, Application US/09904786
; Publication No. US20030039969A1
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Batton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gertlisen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Kijavlin, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/904,786
; PRIOR FILING DATE: 2001-07-12
; PRIOR APPLICATION NUMBER: 09/665,350
; PRIOR FILING DATE: 2000-09-18
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 126
; LENGTH: 1210
; TYPE: DNA
; ORGANISM: Homo Sapien
US-09-904-786-126

Query Match      81.0%; Score 17; DB 3; Length 1210;
Best Local Similarity 100.0%; Pred. No. 4.5e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 AGCGATGAGGAGGAGTG 17
Db      282 AGCGATGAGGAGGAGTG 298

RESULT 46
US-09-906-646-126
; Sequence 126, Application US/09906646
; Publication No. US20030039971A1
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Batton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gertlisen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
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; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Kijavlin, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/906,646
; PRIOR FILING DATE: 2002-01-22
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: PCT/US99/28214
; PRIOR FILING DATE: 1999-11-29
; PRIOR APPLICATION NUMBER: PCT/US99/28313
; PRIOR FILING DATE: 1999-11-30
; PRIOR APPLICATION NUMBER: PCT/US99/28564
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/28565
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: PCT/US99/30911
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US99/30999
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; PRIOR FILING DATE: 2000-01-05
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 126
; LENGTH: 1210
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-906-646-126

Query Match      81.0%; Score 17; DB 3; Length 1210;
Best Local Similarity 100.0%; Pred. No. 4.5e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 AGCGATGAGGAGGAGTG 17
Db      282 AGCGATGAGGAGGAGTG 298

RESULT 47
US-09-906-700-126
; Sequence 126, Application US/09906700
; Publication No. US20030039972A1
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
```


APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Filvaroff, Ellen
APPLICANT: Fong, Sherman
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerlitsen, Mary E.
APPLICANT: Goddard, A.
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, Christopher J.
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth, J.
APPLICANT: Kijavlin, Ivar J.
APPLICANT: Mather, Jennie P.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William, I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: 10466-14
CURRENT APPLICATION NUMBER: US/09/906,700
CURRENT FILING DATE: 2000-09-18
PRIOR APPLICATION NUMBER: PCT/US00/04414
PRIOR FILING DATE: 2000-02-22
PRIOR APPLICATION NUMBER: US 60/143,048
PRIOR FILING DATE: 1999-07-07
PRIOR APPLICATION NUMBER: US 60/145,698
PRIOR FILING DATE: 1999-07-26
PRIOR APPLICATION NUMBER: US 60/146,222
PRIOR FILING DATE: 1999-07-28
PRIOR APPLICATION NUMBER: PCT/US99/20594
PRIOR FILING DATE: 1999-09-08
PRIOR APPLICATION NUMBER: PCT/US99/20944
PRIOR FILING DATE: 1999-09-13
PRIOR APPLICATION NUMBER: PCT/US99/21090
PRIOR FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: PCT/US99/21547
PRIOR FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: PCT/US99/23089
PRIOR FILING DATE: 1999-10-05
PRIOR APPLICATION NUMBER: PCT/US99/28214
PRIOR FILING DATE: 1999-11-29
PRIOR APPLICATION NUMBER: PCT/US99/28313
PRIOR FILING DATE: 1999-11-30
PRIOR APPLICATION NUMBER: PCT/US99/28564
PRIOR FILING DATE: 1999-12-02
PRIOR APPLICATION NUMBER: PCT/US99/28565
PRIOR FILING DATE: 1999-12-02
PRIOR APPLICATION NUMBER: PCT/US99/30095
PRIOR FILING DATE: 1999-12-16
PRIOR APPLICATION NUMBER: PCT/US99/30911
PRIOR FILING DATE: 1999-12-20
PRIOR APPLICATION NUMBER: PCT/US99/30999
PRIOR FILING DATE: 1999-12-20
PRIOR APPLICATION NUMBER: PCT/US00/00219
PRIOR FILING DATE: 2000-01-05
NUMBER OF SEQ ID NOS: 423
SEQ ID NO 126
LENGTH: 1210
TYPE: DNA
ORGANISM: Homo sapiens
US-09-906-700-126

Query Match 81.0%; Score 17; DB 3; Length 1210;
Best Local Similarity 100.0%; Pred. No. 4.5e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 AGCGATGAGGAGGAGTG 17
Db 282 AGCGATGAGGAGGAGTG 298

RESULT 48
US-09-903-786-126
Sequence 126, Application US/09903786
Publication No. US20030044793A1
GENERAL INFORMATION:
APPLICANT: Genentech, Inc.
APPLICANT: Ashkenazi, Avi
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Filvaroff, Ellen
APPLICANT: Fong, Sherman
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerlitsen, Mary E.
APPLICANT: Goddard, A.
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, Christopher J.
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth, J.
APPLICANT: Kijavlin, Ivar J.
APPLICANT: Mather, Jennie P.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William, I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: 10466-14
CURRENT APPLICATION NUMBER: US/09/903,786
CURRENT FILING DATE: 2001-07-11
PRIOR APPLICATION NUMBER: 09/665,350
PRIOR FILING DATE: 2000-09-18
PRIOR APPLICATION NUMBER: PCT/US00/04414
PRIOR FILING DATE: 2000-02-22
PRIOR APPLICATION NUMBER: US 60/143,048
PRIOR FILING DATE: 1999-07-07
PRIOR APPLICATION NUMBER: US 60/145,698
PRIOR FILING DATE: 1999-07-26
PRIOR APPLICATION NUMBER: US 60/146,222
PRIOR FILING DATE: 1999-07-28
PRIOR APPLICATION NUMBER: PCT/US99/20594
PRIOR FILING DATE: 1999-09-08
PRIOR APPLICATION NUMBER: PCT/US99/20944
PRIOR FILING DATE: 1999-09-13
PRIOR APPLICATION NUMBER: PCT/US99/21090
PRIOR FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: PCT/US99/21547
PRIOR FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: PCT/US99/23089
PRIOR FILING DATE: 1999-10-05
PRIOR APPLICATION NUMBER: PCT/US99/28214
PRIOR FILING DATE: 1999-11-29
PRIOR APPLICATION NUMBER: PCT/US99/28313
PRIOR FILING DATE: 1999-11-30
PRIOR APPLICATION NUMBER: PCT/US99/28564
PRIOR FILING DATE: 1999-12-02
PRIOR APPLICATION NUMBER: PCT/US99/28565
PRIOR FILING DATE: 1999-12-02
PRIOR APPLICATION NUMBER: PCT/US99/30095
PRIOR FILING DATE: 1999-12-16
PRIOR APPLICATION NUMBER: PCT/US99/30911
PRIOR FILING DATE: 1999-12-20
PRIOR APPLICATION NUMBER: PCT/US99/30999

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;; PRIOR FILING DATE: 1999-12-20
;; PRIOR APPLICATION NUMBER: PCT/US00/00219
;; PRIOR FILING DATE: 2000-01-05
;; NUMBER OF SEQ ID NOS: 423
;; SEQ ID NO 126
;; LENGTH: 1210
;; TYPE: DNA
;; ORGANISM: Homo Sapien
US-09-903-786-126

Query Match      81.0%; Score 17; DB 3; Length 1210;
Best Local Similarity 100.0%; Pred. No. 4.5e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 AGCGATGAGGAGGAGTG 17
Db      282 AGCGATGAGGAGGAGTG 298

RESULT 49
US-09-902-903-126
; Sequence 126, Application US/09902903
; Publication No. US20030044839A1
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerltsen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/902,903
; PRIOR FILING DATE: 2001-07-10
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: PCT/US99/28214
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;; PRIOR APPLICATION NUMBER: PCT/US99/28313
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;; PRIOR APPLICATION NUMBER: PCT/US99/28564
;; PRIOR FILING DATE: 1999-12-02
;; PRIOR APPLICATION NUMBER: PCT/US99/28565
;; PRIOR FILING DATE: 1999-12-02
;; PRIOR APPLICATION NUMBER: PCT/US99/30095
;; PRIOR FILING DATE: 1999-12-16
;; PRIOR APPLICATION NUMBER: PCT/US99/30911
;; PRIOR FILING DATE: 1999-12-20
;; PRIOR APPLICATION NUMBER: PCT/US99/30999
;; PRIOR FILING DATE: 1999-12-20
;; PRIOR APPLICATION NUMBER: PCT/US00/00219
;; NUMBER OF SEQ ID NOS: 423
;; SEQ ID NO 126
;; LENGTH: 1210
;; TYPE: DNA
;; ORGANISM: Homo sapiens
US-09-902-903-126

Query Match      81.0%; Score 17; DB 3; Length 1210;
Best Local Similarity 100.0%; Pred. No. 4.5e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 AGCGATGAGGAGGAGTG 17
Db      282 AGCGATGAGGAGGAGTG 298

RESULT 50
US-09-903-749A-126
; Sequence 126, Application US/09903749A
; Publication No. US20030045693A1
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerltsen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/903,749A
; PRIOR FILING DATE: 2001-07-11
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
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; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
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; PRIOR APPLICATION NUMBER: PCT/US99/30911
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; PRIOR APPLICATION NUMBER: PCT/US99/30999
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; PRIOR FILING DATE: 2000-01-05
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 126
; LENGTH: 1210
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-903-749A-126
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Query Match      81.0%; Score 17; DB 3; Length 1210;
Best Local Similarity 100.0%; Pred. No. 4.5e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY      1 AGCGATGAGGAGGAGTG 17
          |||||
Db      282 AGCGATGAGGAGGAGTG 298
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Job time : 535.763 secs

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GenCore version 5.1.6
Copyright (c) 1993 - 2006 CompuGen Ltd.

OM nucleic - nucleic search, using sw model

Run on: January 11, 2006, 21:29:07 : Search time 286.169 Seconds
(without alignments)
59.392 Million cell updates/sec

Title: US-10-086-206a-2_COPY_31_51
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Sequence: 1 agcagtcagagagagtcgagcgc 21

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 6038814 seqs, 404674181 residues

Total number of hits satisfying chosen parameters: 12077628

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 1000 summaries

Database :

Published Applications NA.New:*
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2: /cgn2_6/ptodata/2/pubpna/us06_NEW_PUB.seq:*
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6: /cgn2_6/ptodata/2/pubpna/US10_NEW_PUB.seq:*
7: /cgn2_6/ptodata/2/pubpna/US11_NEW_PUB.seq:*
8: /cgn2_6/ptodata/2/pubpna/US11_NEW_PUB.seq2:*
9: /cgn2_6/ptodata/2/pubpna/US11_NEW_PUB.seq3:*
10: /cgn2_6/ptodata/2/pubpna/US60_NEW_PUB.seq:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	19.4	92.4	173	6	US-10-802-796-526 Sequence 526, App
2	19.4	92.4	234	6	US-10-802-796-597 Sequence 597, App
3	19.4	92.4	241	6	US-10-802-796-586 Sequence 586, App
4	19.4	92.4	376	6	US-10-802-796-635 Sequence 635, App
5	19.4	92.4	406	6	US-10-802-796-521 Sequence 521, App
6	17	81.0	1210	6	US-10-131-826A-311 Sequence 311, App
7	17	81.0	1375	7	US-11-080-991-33 Sequence 33, App1
8	16.2	77.1	448	6	US-10-802-796-60 Sequence 60, App
9	16.2	77.1	481	7	US-11-128-061-2157 Sequence 2157, App
10	16.2	77.1	481	7	US-11-128-061-5799 Sequence 5799, App
11	16.2	77.1	975	6	US-10-858-730-42 Sequence 42, App1
12	16.2	77.1	2288	7	US-11-108-528-67 Sequence 67, App1
13	15.4	73.3	19	8	US-11-101-244-1317804 Sequence 1317804, App
14	15.4	73.3	19	8	US-11-083-784-1317804 Sequence 1317804, App
15	15.4	73.3	217	6	US-10-802-796-266 Sequence 266, App
16	15.4	73.3	1518	9	US-11-082-389-283 Sequence 283, App
17	15.4	73.3	1877	6	US-10-750-185-36768 Sequence 36768, App
18	15.4	73.3	1877	6	US-10-750-623-36768 Sequence 36768, App
19	15.2	72.4	73	6	US-10-310-814A-15865 Sequence 15865, App
20	15.2	72.4	201	6	US-10-995-561-12142 Sequence 12142, App
21	15.2	72.4	201	6	US-10-995-561-12160 Sequence 12160, App
22	15.2	72.4	201	6	US-10-995-561-12212 Sequence 12212, App
23	15.2	72.4	201	6	US-10-995-561-12265 Sequence 12265, App

24	15.2	72.4	201	6	US-10-995-561-12218 Sequence 12318, A
25	15.2	72.4	201	6	US-10-995-561-62324 Sequence 62324, A
26	15.2	72.4	374	6	US-10-802-796-567 Sequence 567, App
27	15.2	72.4	597	7	US-11-147-047-16 Sequence 16, App1
28	15.2	72.4	682	6	US-10-750-185-26148 Sequence 26148, A
29	15.2	72.4	682	6	US-10-750-623-26148 Sequence 26148, A
30	15.2	72.4	686	6	US-10-516-768-10 Sequence 10, App1
31	15.2	72.4	1978	6	US-10-995-561-470 Sequence 470, App
32	15.2	72.4	2095	6	US-10-750-185-57897 Sequence 57897, A
33	15.2	72.4	2095	6	US-10-750-623-57897 Sequence 57897, A
34	15.2	72.4	683	6	US-10-995-561-473 Sequence 473, App
35	15.2	72.4	6700	6	US-10-995-561-472 Sequence 472, App
36	15.2	72.4	6786	7	US-11-069-834-59 Sequence 59, App1
37	15.2	72.4	6833	6	US-10-995-561-471 Sequence 471, App
38	15.2	72.4	6871	6	US-10-995-561-474 Sequence 474, App
39	15.2	72.4	38449	6	US-10-995-561-13358 Sequence 13358, A
40	15.2	72.4	13185	7	US-11-112-908-29 Sequence 29, App1
41	15.2	72.4	143389	7	US-11-112-908-30 Sequence 30, App1
42	15.2	72.4	150314	7	US-11-112-908-24 Sequence 24, App1
43	15.2	72.4	157224	7	US-11-112-908-51 Sequence 51, App1
44	15.2	72.4	164810	7	US-11-121-086-4 Sequence 4, App1
45	15.2	72.4	166020	7	US-11-112-908-28 Sequence 28, App1
46	15.2	72.4	170189	7	US-11-112-908-50 Sequence 50, App1
47	15.2	72.4	181172	7	US-11-121-086-41 Sequence 41, App1
48	15.2	72.4	1082144	7	US-11-117-187-211 Sequence 211, App
49	15	71.4	19	8	US-11-101-244-945697 Sequence 945697, App
50	15	71.4	19	9	US-11-083-784-945697 Sequence 945697, App
51	14.8	70.5	19	6	US-10-310-914A-1259572 Sequence 1259572, App
52	14.8	70.5	20	6	US-10-310-914A-86069 Sequence 86069, A
53	14.8	70.5	201	6	US-10-995-561-24350 Sequence 24350, A
54	14.8	70.5	649	6	US-10-516-768-7 Sequence 7, App1
55	14.8	70.5	669	6	US-10-821-234-699 Sequence 699, App
56	14.8	70.5	754	6	US-10-750-185-37250 Sequence 37250, A
57	14.8	70.5	754	6	US-10-750-623-37250 Sequence 37250, A
58	14.8	70.5	1097	6	US-10-750-185-39369 Sequence 39369, A
59	14.8	70.5	1363	6	US-10-750-623-39369 Sequence 39369, A
60	14.8	70.5	1363	6	US-10-750-185-38129 Sequence 38129, A
61	14.8	70.5	1363	6	US-10-750-623-38129 Sequence 38129, A
62	14.8	70.5	1412	6	US-10-750-185-29171 Sequence 29171, A
63	14.8	70.5	1412	6	US-10-750-623-29171 Sequence 29171, A
64	14.8	70.5	2681	7	US-11-136-527-3798 Sequence 3798, App
65	14.8	70.5	3269	7	US-11-136-527-3416 Sequence 3416, App
66	14.8	70.5	3391	6	US-10-750-185-58160 Sequence 58160, A
67	14.8	70.5	3391	6	US-10-750-623-58160 Sequence 58160, A
68	14.8	70.5	3502	7	US-11-136-527-2484 Sequence 2484, App
69	14.8	70.5	4965	6	US-10-947-249-165 Sequence 165, App
70	14.8	70.5	159138	6	US-10-995-561-13230 Sequence 13230, A
71	14.8	70.5	170995	7	US-11-121-086-35 Sequence 35, App1
72	14.8	70.5	179777	7	US-11-121-086-106 Sequence 106, App1
73	14.6	69.5	61	6	US-10-310-914A-2815 Sequence 2815, App
74	14.6	69.5	201	6	US-10-995-561-73864 Sequence 73864, A
75	14.6	69.5	201	7	US-11-124-368A-20437 Sequence 20437, A
76	14.6	69.5	1400	7	US-11-128-061-7016 Sequence 7016, App
77	14.6	69.5	1560	6	US-10-750-185-31290 Sequence 31290, A
78	14.6	69.5	1560	6	US-10-750-623-31290 Sequence 31290, A
79	14.6	69.5	1609	6	US-10-750-185-59170 Sequence 59170, A
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81	14.6	69.5	1693	6	US-10-750-185-50007 Sequence 50007, A
82	14.6	69.5	1593	6	US-10-750-623-50007 Sequence 50007, A
83	14.6	69.5	1995	6	US-10-750-185-36389 Sequence 36389, A
84	14.6	69.5	1995	6	US-10-750-623-36389 Sequence 36389, A
85	14.6	69.5	2125	6	US-10-750-185-33435 Sequence 33435, A
86	14.6	69.5	2125	6	US-10-750-623-33435 Sequence 33435, A
87	14.6	69.5	2125	7	US-11-128-061-3374 Sequence 3374, App
88	14.6	69.5	2256	6	US-10-750-185-39204 Sequence 39204, A
89	14.6	69.5	2256	6	US-10-750-623-39204 Sequence 39204, A
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91	14.6	69.5	3315	6	US-10-750-623-41096 Sequence 41096, A
92	14.6	69.5	3386	6	US-10-750-185-48137 Sequence 48137, A
93	14.6	69.5	3386	6	US-10-750-623-48137 Sequence 48137, A
94	14.6	69.5	22882	6	US-10-995-561-13451 Sequence 13451, A
95	14.6	69.5	41081	7	US-11-124-368A-28331 Sequence 28331, App
96	14.6	69.5	101046	6	US-10-995-561-13330 Sequence 13330, A

243	13.8	65.7	201	US-10-995-561-75776	Sequence 75776, A	C 316	13.8	65.7	6822	7	US-11-136-527-229	Sequence 229, Ap
244	13.8	65.7	201	US-10-995-561-77913	Sequence 77913, A	C 317	13.8	65.7	8553	7	US-11-124-368A-2928	Sequence 228, Ap
245	13.8	65.7	201	US-11-124-368A-8853	Sequence 8853, Ap	C 318	13.8	65.7	12187	7	US-10-995-561-13468	Sequence 12468, A
246	13.8	65.7	396	US-10-769-744-558	Sequence 558, App	C 319	13.8	65.7	27032	6	US-10-995-561-13321	Sequence 12511, A
247	13.8	65.7	396	US-10-769-744-559	Sequence 559, App	C 320	13.8	65.7	38023	6	US-10-995-561-13321	Sequence 12511, A
248	13.8	65.7	396	US-10-769-744-560	Sequence 560, App	C 321	13.8	65.7	40349	7	US-11-117-187-184	Sequence 184, App
249	13.8	65.7	396	US-10-769-744-561	Sequence 561, App	C 322	13.8	65.7	78869	7	US-11-075-185-1	Sequence 1, Appl1
250	13.8	65.7	396	US-10-769-744-563	Sequence 563, App	C 323	13.8	65.7	100000	7	US-11-124-368A-2897	Sequence 2897, Ap
251	13.8	65.7	468	US-10-508-263-41	Sequence 41, Appl1	C 324	13.8	65.7	137935	6	US-10-995-561-13328	Sequence 13278, A
252	13.8	65.7	477	US-10-508-263-43	Sequence 43, Appl1	C 325	13.8	65.7	169047	7	US-11-121-086-15	Sequence 15, Appl1
253	13.8	65.7	570	US-10-454-437-257	Sequence 257, App	C 326	13.8	65.7	164995	7	US-11-121-086-61	Sequence 61, Appl1
254	13.8	65.7	600	US-10-750-185-635	Sequence 635, App	C 327	13.8	65.7	172111	7	US-11-121-086-28	Sequence 28, Appl1
255	13.8	65.7	600	US-10-750-623-635	Sequence 635, App	C 328	13.8	65.7	187786	6	US-10-995-561-13474	Sequence 13474, A
256	13.8	65.7	600	US-10-750-185-635	Sequence 635, App	C 329	13.8	65.7	187986	6	US-10-995-561-13252	Sequence 12522, A
257	13.8	65.7	659	US-10-750-185-31317	Sequence 31317, A	C 330	13.8	65.7	214000	6	US-10-769-744-1	Sequence 1, Appl1
258	13.8	65.7	659	US-10-750-623-31317	Sequence 31317, A	C 331	13.8	65.7	218821	7	US-11-121-086-31	Sequence 31, Appl1
259	13.8	65.7	735	US-10-750-169-172	Sequence 172, App	C 332	13.8	65.7	241805	6	US-10-995-561-13215	Sequence 1215, A
260	13.8	65.7	752	US-10-750-185-37085	Sequence 37085, A	C 333	13.8	65.7	403278	6	US-10-995-561-13471	Sequence 13471, A
261	13.8	65.7	767	US-10-497-135-17	Sequence 17, Appl1	C 334	13.8	65.7	403278	6	US-10-310-914A-1681594	Sequence 681594, A
262	13.8	65.7	792	US-10-750-185-28001	Sequence 28001, A	C 335	13.8	65.7	403278	6	US-10-310-914A-1195904	Sequence 1195904, A
263	13.8	65.7	792	US-10-750-623-28001	Sequence 28001, A	C 336	13.8	65.7	403278	6	US-10-310-914A-1195965	Sequence 1195965, A
264	13.8	65.7	893	US-11-033-764-46	Sequence 46, Appl1	C 337	13.8	65.7	403278	6	US-10-310-914A-1200459	Sequence 200459, A
265	13.8	65.7	944	US-10-750-185-51837	Sequence 51837, A	C 338	13.8	65.7	403278	6	US-10-310-914A-759748	Sequence 759748, A
266	13.8	65.7	944	US-10-750-623-51837	Sequence 51837, A	C 339	13.8	65.7	403278	6	US-10-310-914A-759748	Sequence 759748, A
267	13.8	65.7	971	US-10-750-185-40542	Sequence 40542, A	C 340	13.8	65.7	403278	6	US-10-310-914A-759827	Sequence 759827, A
268	13.8	65.7	971	US-10-750-623-40542	Sequence 40542, A	C 341	13.8	65.7	403278	6	US-11-121-849-13816	Sequence 13816, A
269	13.8	65.7	1027	US-10-750-185-47113	Sequence 47113, A	C 342	13.8	65.7	403278	6	US-11-12	


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973 13.2 62.9 30140 7 US-11-052-544-29 Sequence 29, Appl
974 13.2 62.9 32325 7 US-11-136-812-1 Sequence 1, Appl
975 13.2 62.9 34794 7 US-11-136-912-2 Sequence 2, Appl
976 13.2 62.9 34794 7 US-11-165-697-44 Sequence 44, Appl
977 13.2 62.9 34875 6 US-10-775-169-316 Sequence 316, Ap
978 13.2 62.9 37500 6 US-10-522-037-1 Sequence 1, Appl
979 13.2 62.9 44229 7 US-11-124-368A-2910 Sequence 2910, Ap
980 13.2 62.9 56448 6 US-10-995-561-13369 Sequence 13369, A
981 13.2 62.9 67467 7 US-11-124-368A-2889 Sequence 2889, Ap
982 13.2 62.9 73404 7 US-11-124-368A-2914 Sequence 2914, Ap
983 13.2 62.9 79134 7 US-11-124-368A-2924 Sequence 2924, Ap
984 13.2 62.9 88873 6 US-10-995-561-13383 Sequence 13383, A
985 13.2 62.9 92600 6 US-10-857-780-1 Sequence 1, Appl
986 13.2 62.9 96128 6 US-10-995-561-13197 Sequence 13197, A
987 13.2 62.9 100000 7 US-11-124-368A-2881 Sequence 2881, Ap
988 13.2 62.9 100000 7 US-11-124-368A-2883 Sequence 2883, Ap
989 13.2 62.9 114801 7 US-11-121-086-22 Sequence 22, Appl
990 13.2 62.9 120096 7 US-11-121-086-24 Sequence 24, Appl
991 13.2 62.9 124972 7 US-11-121-086-100 Sequence 100, App
992 13.2 62.9 126532 7 US-11-121-086-1 Sequence 1, Appl
993 13.2 62.9 126532 7 US-11-121-086-1 Sequence 1, Appl
994 13.2 62.9 156297 7 US-11-121-086-65 Sequence 65, Appl
995 13.2 62.9 160226 7 US-11-121-086-29 Sequence 29, Appl
996 13.2 62.9 164527 7 US-11-121-086-71 Sequence 71, Appl
997 13.2 62.9 164810 7 US-11-121-086-4 Sequence 4, Appl
998 13.2 62.9 165883 7 US-11-112-908-18 Sequence 18, Appl
999 13.2 62.9 169725 7 US-11-121-086-63 Sequence 63, Appl
1000 13.2 62.9 171427 7 US-11-112-908-60 Sequence 60, Appl
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ALIGNMENTS

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RESULT 1
; US-10-802-796-526/c
; Sequence 526, Application US/10802796
; Publication No. US20050250104A1
; GENERAL INFORMATION:
; APPLICANT: COLE, STEWART
; APPLICANT: BUCHRIESER-BROSCH, ROLAND
; APPLICANT: GORDON, STEPHEN
; APPLICANT: BILLAULT, ALAIN
; TITLE OF INVENTION: A METHOD FOR ISOLATING A POLYNUCLEOTIDE OF INTEREST
; TITLE OF INVENTION: FROM THE GENOME OF A MYCOBACTERIUM USING A BAC-BASED
; TITLE OF INVENTION: DNA LIBRARY. APPLICATION TO THE DETECTION OF
; FILE REFERENCE: 05394.0011-00000
; CURRENT APPLICATION NUMBER: US/10/802,796
; CURRENT FILING DATE: 2004-03-18
; PRIOR APPLICATION NUMBER: US/09/673,476
; PRIOR FILING DATE: 2002-03-29
; PRIOR APPLICATION NUMBER: PCT/IB99/00740
; PRIOR FILING DATE: 1999-04-16
; PRIOR APPLICATION NUMBER: 09/060,756
; PRIOR FILING DATE: 1998-04-16
; NUMBER OF SEQ ID NOS: 743
; SOFTWARE: PatentIn Ver. 2.2
; SEQ ID NO 526
; LENGTH: 173
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
; US-10-802-796-526
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Query Match 92.4%; Score 19.4; DB 6; Length 173;
Best Local Similarity 95.2%; Pred. No. 5.3;
Matches 20; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
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QY 1 AGCGATGAGGAGAGTGCGGC 21
Db 54 AGCGATGAGGAGAGTGCGGC 34
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RESULT 2

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US-10-802-796-597/c
; Sequence 597, Application US/10802796
; Publication No. US20050250104A1
; GENERAL INFORMATION:
; APPLICANT: COLE, STEWART
; APPLICANT: BUCHRIESER-BROSCH, ROLAND
; APPLICANT: GORDON, STEPHEN
; APPLICANT: BILLAULT, ALAIN
; TITLE OF INVENTION: A METHOD FOR ISOLATING A POLYNUCLEOTIDE OF INTEREST
; TITLE OF INVENTION: FROM THE GENOME OF A MYCOBACTERIUM USING A BAC-BASED
; TITLE OF INVENTION: DNA LIBRARY. APPLICATION TO THE DETECTION OF
; FILE REFERENCE: 05394.0011-00000
; CURRENT APPLICATION NUMBER: US/10/802,796
; CURRENT FILING DATE: 2004-03-18
; PRIOR APPLICATION NUMBER: US/09/673,476
; PRIOR FILING DATE: 2002-03-29
; PRIOR APPLICATION NUMBER: PCT/IB99/00740
; PRIOR FILING DATE: 1999-04-16
; PRIOR APPLICATION NUMBER: 09/060,756
; PRIOR FILING DATE: 1998-04-16
; NUMBER OF SEQ ID NOS: 743
; SOFTWARE: PatentIn Ver. 2.2
; SEQ ID NO 597
; LENGTH: 234
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
; US-10-802-796-597
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Query Match 92.4%; Score 19.4; DB 6; Length 234;
Best Local Similarity 95.2%; Pred. No. 5.4;
Matches 20; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
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QY 1 AGCGATGAGGAGAGTGCGGC 21
Db 62 AGCGATGAGGAGAGTGCGGC 42
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RESULT 3
; US-10-802-796-586/c
; Sequence 586, Application US/10802796
; Publication No. US20050250104A1
; GENERAL INFORMATION:
; APPLICANT: COLE, STEWART
; APPLICANT: BUCHRIESER-BROSCH, ROLAND
; APPLICANT: GORDON, STEPHEN
; APPLICANT: BILLAULT, ALAIN
; TITLE OF INVENTION: A METHOD FOR ISOLATING A POLYNUCLEOTIDE OF INTEREST
; TITLE OF INVENTION: FROM THE GENOME OF A MYCOBACTERIUM USING A BAC-BASED
; TITLE OF INVENTION: DNA LIBRARY. APPLICATION TO THE DETECTION OF
; FILE REFERENCE: 05394.0011-00000
; CURRENT APPLICATION NUMBER: US/10/802,796
; CURRENT FILING DATE: 2004-03-18
; PRIOR APPLICATION NUMBER: US/09/673,476
; PRIOR FILING DATE: 2002-03-29
; PRIOR APPLICATION NUMBER: PCT/IB99/00740
; PRIOR FILING DATE: 1999-04-16
; PRIOR APPLICATION NUMBER: 09/060,756
; PRIOR FILING DATE: 1998-04-16
; NUMBER OF SEQ ID NOS: 743
; SOFTWARE: PatentIn Ver. 2.2
; SEQ ID NO 586
; LENGTH: 241
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
; US-10-802-796-586
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Query Match 92.4%; Score 19.4; DB 6; Length 241;
Best Local Similarity 95.2%; Pred. No. 5.4;
Matches 20; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
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QY 1 AGCGATGAGGAGAGTGCGGC 21
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Db 42 AGCGATGAGGAGGAGCGCGC 22

RESULT 4

US-10-802-796-635/c
; Sequence 635, Application US/10802796
; Publication No. US20050250104A1
; GENERAL INFORMATION:
; APPLICANT: COLE, STEWART
; APPLICANT: BUCHRIESES-BROSCH, ROLAND
; APPLICANT: GORDON, STEPHEN
; APPLICANT: BILLAULT, ALAIN
; TITLE OF INVENTION: A METHOD FOR ISOLATING A POLYNUCLEOTIDE OF INTEREST
; TITLE OF INVENTION: FROM THE GENOME OF A MYCOBACTERIUM USING A BAC-BASED
; TITLE OF INVENTION: DNA LIBRARY. APPLICATION TO THE DETECTION OF
; TITLE OF INVENTION: MYCOBACTERIA.
; FILE REFERENCE: 05394.0011-00000
; CURRENT APPLICATION NUMBER: US/10/802,796
; CURRENT FILING DATE: 2004-03-18
; PRIOR APPLICATION NUMBER: US/09/673,476
; PRIOR FILING DATE: 2002-03-29
; PRIOR APPLICATION NUMBER: PCT/IB99/00740
; PRIOR FILING DATE: 1999-04-16
; PRIOR APPLICATION NUMBER: 09/060,756
; PRIOR FILING DATE: 1998-04-16
; NUMBER OF SEQ ID NOS: 743
; SOFTWARE: PatentIn Ver. 2.2
; SEQ ID NO: 635
; LENGTH: 376
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
US-10-802-796-635

Query Match 92.4%; Score 19.4; DB 6; Length 376;
Best Local Similarity 95.2%; Pred. No. 5.5;
Matches 20; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 AGCGATGAGGAGGAGTGGCGC 21
Db 65 AGCGATGAGGAGGAGCGCGC 45

RESULT 5

US-10-802-796-521/c
; Sequence 521, Application US/10802796
; Publication No. US20050250104A1
; GENERAL INFORMATION:
; APPLICANT: COLE, STEWART
; APPLICANT: BUCHRIESES-BROSCH, ROLAND
; APPLICANT: GORDON, STEPHEN
; APPLICANT: BILLAULT, ALAIN
; TITLE OF INVENTION: A METHOD FOR ISOLATING A POLYNUCLEOTIDE OF INTEREST
; TITLE OF INVENTION: FROM THE GENOME OF A MYCOBACTERIUM USING A BAC-BASED
; TITLE OF INVENTION: DNA LIBRARY. APPLICATION TO THE DETECTION OF
; TITLE OF INVENTION: MYCOBACTERIA.
; FILE REFERENCE: 05394.0011-00000
; CURRENT APPLICATION NUMBER: US/10/802,796
; CURRENT FILING DATE: 2004-03-18
; PRIOR APPLICATION NUMBER: US/09/673,476
; PRIOR FILING DATE: 2002-03-29
; PRIOR APPLICATION NUMBER: PCT/IB99/00740
; PRIOR FILING DATE: 1999-04-16
; PRIOR APPLICATION NUMBER: 09/060,756
; PRIOR FILING DATE: 1998-04-16
; NUMBER OF SEQ ID NOS: 743
; SOFTWARE: PatentIn Ver. 2.2
; SEQ ID NO: 521
; LENGTH: 406
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
US-10-802-796-521

Query Match 92.4%; Score 19.4; DB 6; Length 406;
Best Local Similarity 95.2%; Pred. No. 5.5;
Matches 20; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 AGCGATGAGGAGGAGTGGCGC 21
Db 37 AGCGATGAGGAGGAGCGCGC 17

RESULT 6

US-10-131-826A-311
; Sequence 311, Application US/10131826A
; Publication No. US20050245730A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Deforge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3350R1C128
; CURRENT APPLICATION NUMBER: US/10/131,826A
; CURRENT FILING DATE: 2002-04-24
; PRIOR APPLICATION NUMBER: 60/049911
; PRIOR FILING DATE: 1997-06-18
; PRIOR APPLICATION NUMBER: 60/056974
; PRIOR FILING DATE: 1997-08-26
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059115
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059117
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059122
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059184
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059352
; PRIOR FILING DATE: 1997-09-19
; PRIOR APPLICATION NUMBER: 60/059588
; PRIOR FILING DATE: 1997-09-19
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO: 311
; LENGTH: 1210
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-131-826A-311

Query Match 81.0%; Score 17; DB 6; Length 1210;
Best Local Similarity 100.0%; Pred. No. 68;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AGCGATGAGGAGGAGTGG 17
Db 282 AGCGATGAGGAGGAGTGG 298

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RESULT 7
US-11-080-991-33
; Sequence 33, Application US/11080991
; Publication No. US20050266437A1
; GENERAL INFORMATION:
; APPLICANT: Veiby, Pictet Ole
; TITLE OF INVENTION: COMPOSITIONS, KITS, AND METHODS FOR
; TITLE OF INVENTION: IDENTIFICATION, ASSESSMENT, PREVENTION, AND THERAPY OF BREAST
; FILE REFERENCE: MRI-039
; CURRENT APPLICATION NUMBER: US/11/080,991
; PRIOR FILING DATE: 2005-03-11
; PRIOR APPLICATION NUMBER: US/10/176,847
; NUMBER OF SEQ ID NOS: 112
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 33
; LENGTH: 1375
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc.feature
; LOCATION: 1327, 1328, 1329, 1330, 1331, 1332, 1333, 1334, 1335, 1336,
; LOCATION: 1337, 1338, 1339, 1340, 1341, 1342, 1343, 1344, 1345, 1346,
; LOCATION: 1347, 1348, 1349, 1350, 1351, 1352, 1353, 1354, 1355, 1356,
; LOCATION: 1357, 1358, 1359, 1360, 1361, 1362, 1363, 1364, 1365
; OTHER INFORMATION: n = A,T,C or G
; FEATURE:
; NAME/KEY: misc.feature
; LOCATION: 1366, 1367, 1368, 1369, 1370, 1371, 1372
; OTHER INFORMATION: n = A,T,C or G
US-11-080-991-33

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Query Match      81.0%; Score 17; DB 7; Length 1375;
Best Local Similarity 100.0%; Pred. No. 69;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db      324 AGCGATGAGGAGAGTG 340

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RESULT 8
US-10-802-796-60/c
; Sequence 60, Application US/10802796
; Publication No. US20050250104A1
; GENERAL INFORMATION:
; APPLICANT: COLE, STEWART
; APPLICANT: BUCHRIESER-BROSCH, ROLAND
; APPLICANT: GORDON, STEPHEN
; APPLICANT: BILAUULT, ALAIN
; TITLE OF INVENTION: A METHOD FOR ISOLATING A POLYNUCLEOTIDE OF INTEREST
; TITLE OF INVENTION: FROM THE GENOME OF A MYCOBACTERIUM USING A BAC-BASED
; TITLE OF INVENTION: DNA LIBRARY. APPLICATION TO THE DETECTION OF
; TITLE OF INVENTION: MYCOBACTERIA.
; FILE REFERENCE: 05394.0011-00000
; CURRENT APPLICATION NUMBER: US/10/802,796
; PRIOR FILING DATE: 2004-03-18
; PRIOR APPLICATION NUMBER: US/09/673,476
; PRIOR FILING DATE: 2002-03-29
; PRIOR APPLICATION NUMBER: PCT/IB99/00740
; PRIOR FILING DATE: 1999-04-16
; PRIOR APPLICATION NUMBER: 09/060,756
; PRIOR FILING DATE: 1998-04-16
; NUMBER OF SEQ ID NOS: 743
; SOFTWARE: PatentIn Ver. 2.2
; SEQ ID NO 60
; LENGTH: 448
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
; FEATURE:
; NAME/KEY: modified_base
; LOCATION: (154)..(155)

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; OTHER INFORMATION: a, t, c or g
; FEATURE:
; NAME/KEY: modified_base
; LOCATION: (322)
; OTHER INFORMATION: a, t, c or g
; FEATURE:
; NAME/KEY: modified_base
; LOCATION: (334)
; OTHER INFORMATION: a, t, c or g
; FEATURE:
; NAME/KEY: modified_base
; LOCATION: (347)
; OTHER INFORMATION: a, t, c or g
US-10-802-796-60

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Query Match      77.1%; Score 16.2; DB 6; Length 448;
Best Local Similarity 85.7%; Pred. No. 1.5e+02;
Matches 18; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

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QY      1 AGCGATGAGGAGAGTGCGGC 21
Db      408 AGCGATGAGGAGAGAGCGGCGC 388

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RESULT 9
US-11-128-061-2157
; Sequence 2157, Application US/11128061
; Publication No. US20060003958A1
; GENERAL INFORMATION:
; APPLICANT: Melville, Mark W.
; APPLICANT: Charlebois, Timothy S.
; APPLICANT: Mounats, William M.
; APPLICANT: Hamn, Louane E.
; APPLICANT: Sinacore, Martin S.
; APPLICANT: Leonard, Mark W.
; APPLICANT: Brown, Eugene L.
; APPLICANT: Miller, Christopher P.
; TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES RELATED TO OLIGONUCLEOTIDE ARRAYS
; TITLE OF INVENTION: TO MONITOR GENE EXPRESSION
; FILE REFERENCE: 01997.027701
; CURRENT APPLICATION NUMBER: US/11/128,061
; PRIOR FILING DATE: 2005-05-11
; PRIOR APPLICATION NUMBER: US 60/570,425
; PRIOR FILING DATE: 2004-05-11
; NUMBER OF SEQ ID NOS: 7285
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 2157
; LENGTH: 481
; TYPE: DNA
; ORGANISM: Cricetus griseus
; FEATURE:
; NAME/KEY: misc.feature
; LOCATION: (31)..(46)
; OTHER INFORMATION: n is a, c, g, or t
; FEATURE:
; NAME/KEY: misc.feature
; LOCATION: (83)..(101)
; OTHER INFORMATION: n is a, c, g, or t
US-11-128-061-2157

```

```

Query Match      77.1%; Score 16.2; DB 7; Length 481;
Best Local Similarity 85.7%; Pred. No. 1.5e+02;
Matches 18; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

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QY      1 AGCGATGAGGAGAGTGCGGC 21
Db      148 AGCGATGAGGAGAGAGCGGCGC 168

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```

RESULT 10
US-11-128-061-5799
; Sequence 5799, Application US/11128061
; Publication No. US20060003958A1

```

```
/ GENERAL INFORMATION:
/ APPLICANT: Melville, Mark W.
/ APPLICANT: Charlebois, Timothy S.
/ APPLICANT: Mounts, William M.
/ APPLICANT: Hann, Louane E.
/ APPLICANT: Sinacore, Martin S.
/ APPLICANT: Leonard, Mark W.
/ APPLICANT: Brown, Eugene L.
/ APPLICANT: Miller, Christopher P.
/ TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES RELATED TO OLIGONUCLEOTIDE ARRAYS
/ FILE REFERENCE: 0197.027701
/ CURRENT APPLICATION NUMBER: US/11/128,061
/ PRIOR FILING DATE: 2005-05-11
/ PRIOR APPLICATION NUMBER: US 60/570,425
/ PRIOR FILING DATE: 2004-05-11
/ NUMBER OF SEQ ID NOS: 7285
/ SOFTWARE: PatentIn version 3.3
/ SEQ ID NO 5799
/ LENGTH: 481
/ TYPE: DNA
/ ORGANISM: Cricetus griseus
/ FEATURE:
/ NAME/KEY: misc_feature
/ LOCATION: (31)..(46)
/ OTHER INFORMATION: n is a, c, g, or t
/ FEATURE:
/ NAME/KEY: misc_feature
/ LOCATION: (83)..(101)
/ OTHER INFORMATION: n is a, c, g, or t
US-11-128-061-5799

Query Match      77.1%; Score 16.2; DB 7; Length 481;
Best Local Similarity 85.7%; Pred. No. 1.5e+02;
Matches 18; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy      1 AGCGATGAGGAGGTGCGCC 21
Db      148 AGCGAGGAGGAGAGCGGCC 168

RESULT 11
US-10-858-730-42
/ Sequence 42, Application US/10858730
/ Publication No. US20050255568A1
/ GENERAL INFORMATION:
/ APPLICANT: Bailey, Richard B.
/ APPLICANT: Blomquist, Paul
/ APPLICANT: Doten, Reed
/ APPLICANT: Driggers, Edward M.
/ APPLICANT: Madden, Kevin T.
/ APPLICANT: O'Leary, Jessica
/ APPLICANT: O'Toole, George
/ APPLICANT: Trueheart, Joshua
/ APPLICANT: Walbridge, Michael J.
/ APPLICANT: Vorgey, Peter S.
/ TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR AMINO ACID
/ FILE REFERENCE: 14184-030001
/ CURRENT APPLICATION NUMBER: US/10/858,730
/ PRIOR FILING DATE: 2004-06-01
/ PRIOR APPLICATION NUMBER: US 60/475,000
/ PRIOR FILING DATE: 2003-05-30
/ PRIOR APPLICATION NUMBER: US 60/551,860
/ PRIOR FILING DATE: 2004-03-10
/ NUMBER OF SEQ ID NOS: 364
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 42
/ LENGTH: 975
/ TYPE: DNA
/ ORGANISM: Thermobifida fusca
US-10-858-730-42
```

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Query Match      77.1%; Score 16.2; DB 6; Length 975;
Best Local Similarity 85.7%; Pred. No. 1.6e+02;
Matches 18; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy      1 AGCGATGAGGAGGTGCGCC 21
Db      184 AGCGATGAGGAGGAGCGGCC 204

RESULT 12
US-11-108-528-67
/ Sequence 67, Application US/1108528
/ Publication No. US20050261189A1
/ GENERAL INFORMATION:
/ APPLICANT: Larsen, Glenn
/ APPLICANT: Marvin, Martha
/ APPLICANT: Li, Dean Y.
/ APPLICANT: Wang, Elizabeth
/ APPLICANT: Chen, C. M. Amy
/ APPLICANT: Shamah, Steven M.
/ TITLE OF INVENTION: METHODS OF PROMOTING CARDIAC CELL
/ FILE REFERENCE: HYDR-P01-041
/ CURRENT APPLICATION NUMBER: US/11/108,528
/ PRIOR FILING DATE: 2005-04-18
/ PRIOR APPLICATION NUMBER: US 60/563,137
/ PRIOR FILING DATE: 2004-04-16
/ PRIOR APPLICATION NUMBER: US 60/598,368
/ PRIOR FILING DATE: 2004-08-02
/ NUMBER OF SEQ ID NOS: 86
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 67
/ LENGTH: 2288
/ TYPE: DNA
/ ORGANISM: Homo sapiens
US-11-108-528-67

Query Match      77.1%; Score 16.2; DB 7; Length 2288;
Best Local Similarity 85.7%; Pred. No. 1.6e+02;
Matches 18; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy      1 AGCGATGAGGAGGTGCGCC 21
Db      156 AGCGGTGAGGAGGTGCGCC 176

RESULT 13
US-11-101-244-1317804
/ Sequence 1317804, Application US/1101244
/ Publication No. US20050246794A1
/ GENERAL INFORMATION:
/ APPLICANT: Dharmacon, Inc.
/ APPLICANT: Khvorova, Anastasia
/ APPLICANT: Reynolds, Angela
/ APPLICANT: Leake, Devin
/ APPLICANT: Marshall, William
/ APPLICANT: Scaringe, Stephen
/ TITLE OF INVENTION: Functional and Hyperfunctional siRNA
/ FILE REFERENCE: 13499US
/ CURRENT APPLICATION NUMBER: US/11/101,244
/ PRIOR FILING DATE: 2005-04-07
/ PRIOR APPLICATION NUMBER: 60/502,050
/ PRIOR FILING DATE: 2003-09-10
/ PRIOR APPLICATION NUMBER: 60/426,137
/ PRIOR FILING DATE: 2002-11-14
/ NUMBER OF SEQ ID NOS: 1591911
/ SOFTWARE: Proprietary
/ SEQ ID NO 1317804
/ LENGTH: 19
/ TYPE: RNA
/ ORGANISM: Homo sapiens
US-11-101-244-1317804
```


Query Match 73.3%; Score 15.4; DB 8; Length 19;
Best Local Similarity 82.4%; Pred. No. 3.1e+02;
Matches 14; Conservative 2; Mismatches 1; Indels 0; Gaps 0;
QY 2 GCGATGAGGAGGAGTGG 18
DB 1 GCAATGAGGAGGAGGUGG 17

RESULT 14
US-11-083-784-1317804
Sequence 1317804, Application US/11083784
Publication No. US20050245475A1
GENERAL INFORMATION:
APPLICANT: Pharmacom, Inc.
APPLICANT: Khvorova, Anastasia
APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Marshall, William
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: US/11/083,784
CURRENT FILING DATE: 2005-03-18
PRIOR APPLICATION NUMBER: US/10/714,333
PRIOR FILING DATE: 2003-11-14
PRIOR APPLICATION NUMBER: 60/502,050
PRIOR FILING DATE: 2003-09-10
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR FILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SEQ ID NO 1317804
LENGTH: 19
TYPE: RNA
ORGANISM: Homo sapiens
US-11-083-784-1317804

Query Match 73.3%; Score 15.4; DB 9; Length 19;
Best Local Similarity 82.4%; Pred. No. 3.1e+02;
Matches 14; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 2 GCGATGAGGAGGAGTGG 18
DB 1 GCAATGAGGAGGAGGUGG 17

RESULT 15
US-10-802-796-266/c
Sequence 266, Application US/10802796
Publication No. US20050250104A1
GENERAL INFORMATION:
APPLICANT: COLE, STEWART
APPLICANT: BUCHRIESER-BROSCH, ROLAND
APPLICANT: GORDON, STEPHEN
APPLICANT: BILLAULT, ALAIN
TITLE OF INVENTION: A METHOD FOR ISOLATING A POLYNUCLEOTIDE OF INTEREST
TITLE OF INVENTION: FROM THE GENOME OF A MYCOBACTERIUM USING A BAC-BASED
TITLE OF INVENTION: DNA LIBRARY. APPLICATION TO THE DETECTION OF
TITLE OF INVENTION: MYCOBACTERIA.
FILE REFERENCE: 05394.0011-00000
CURRENT APPLICATION NUMBER: US/10/802,796
CURRENT FILING DATE: 2004-03-18
PRIOR APPLICATION NUMBER: US/09/673,476
PRIOR FILING DATE: 2002-03-29
PRIOR APPLICATION NUMBER: PCT/IB99/00740
PRIOR FILING DATE: 1999-04-16
PRIOR APPLICATION NUMBER: 09/060,756
PRIOR FILING DATE: 1998-04-16
NUMBER OF SEQ ID NOS: 743
SOFTWARE: PatentIn Ver. 2.2
SEQ ID NO 266
LENGTH: 217

TYPE: DNA
ORGANISM: Mycobacterium tuberculosis
FEATURE:
NAME/KEY: modified base
LOCATION: (139)..(140)
OTHER INFORMATION: a, t, c or g
US-10-802-796-266

Query Match 73.3%; Score 15.4; DB 6; Length 217;
Best Local Similarity 94.1%; Pred. No. 3.4e+02;
Matches 16; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 AGCGATGAGGAGGAGTGG 17
DB 20 AGCGATGAGGAGGAGTGG 4

RESULT 16
US-11-082-389-283/c
Sequence 283, Application US/11082389
Publication No. US20050244935A1
GENERAL INFORMATION:
APPLICANT: Pompeius, Markus
APPLICANT: Kroger, Burkhard
APPLICANT: Schroder, Hartwig
APPLICANT: Zelder, Oskar
APPLICANT: Haberer, Gregor
TITLE OF INVENTION: CORYNEBACTERIUM GLUTAMICUM GENES ENCODING PROTEINS
TITLE OF INVENTION: INVOLVED IN MEMBRANE SYNTHESIS AND MEMBRANE
TITLE OF INVENTION: TRANSPORT
FILE REFERENCE: BGI-131CPCN
CURRENT APPLICATION NUMBER: US/11/082,389
CURRENT FILING DATE: 2005-03-16
PRIOR APPLICATION NUMBER: US 09/603024
PRIOR FILING DATE: 2000-06-23
PRIOR APPLICATION NUMBER: US 60/141031
PRIOR FILING DATE: 1999-06-25
PRIOR APPLICATION NUMBER: US 60/143262
PRIOR FILING DATE: 1999-07-09
PRIOR APPLICATION NUMBER: US 60/151281
PRIOR FILING DATE: 1999-08-27
PRIOR APPLICATION NUMBER: DE 19930467.4
PRIOR FILING DATE: 1999-07-01
PRIOR APPLICATION NUMBER: DE 19930489.0
PRIOR FILING DATE: 1999-07-01
PRIOR APPLICATION NUMBER: DE 19931549.3
PRIOR FILING DATE: 1999-07-08
PRIOR APPLICATION NUMBER: DE 19931550.7
PRIOR FILING DATE: 1999-07-08
PRIOR APPLICATION NUMBER: DE 19932134.5
PRIOR FILING DATE: 1999-07-09
PRIOR APPLICATION NUMBER: DE 19941379.7
PRIOR FILING DATE: 1999-08-31
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 446
SEQ ID NO 283
LENGTH: 1518
TYPE: DNA
ORGANISM: Corynebacterium glutamicum
FEATURE:
NAME/KEY: CDS
LOCATION: (101)..(1495)
OTHER INFORMATION: RXA02663
US-11-082-389-283

Query Match 73.3%; Score 15.4; DB 9; Length 1518;
Best Local Similarity 94.1%; Pred. No. 3.6e+02;
Matches 16; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 2 GCGATGAGGAGGAGTGG 18
DB 1044 GCGATGAGGAGGAGTGG 1028

RESULT 17
US-10-750-185-36768/c
; Sequence 36768, Application US/10750185
; Publication No. US200502603A1
; GENERAL INFORMATION:
; APPLICANT: MMI GENOMICS, INC.
; APPLICANT: DENISE, Sue K.
; APPLICANT: KERR, Richard
; APPLICANT: ROSENFELD, David
; APPLICANT: HOLM, Tom
; APPLICANT: BATES, Stephen
; APPLICANT: FANTIN, Dennis
; TITLE OF INVENTION: COMPOSITIONS FOR INFERRING BOVINE TRAITS
; FILE REFERENCE: MM1100-2
; CURRENT APPLICATION NUMBER: US/10/750,185
; CURRENT FILING DATE: 2003-12-31
; PRIOR APPLICATION NUMBER: US 60/437,482
; PRIOR FILING DATE: 2002-12-31
; NUMBER OF SEQ ID NOS: 64922
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 36768
; LENGTH: 1877
; TYPE: DNA
; ORGANISM: Bovine 1986680532175
US-10-750-185-36768

Query Match 73.3%; Score 15.4; DB 6; Length 1877;
Best Local Similarity 94.1%; Pred. No. 3.6e+02;
Matches 16; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

OY 5 ATGAGGAGGAGTGCGC 21
Db 432 ACGAGGAGGAGTGCGC 416

RESULT 18
US-10-750-623-36768/c
; Sequence 36768, Application US/10750623
; Publication No. US20050287531A1
; GENERAL INFORMATION:
; APPLICANT: MMI GENOMICS, INC.
; APPLICANT: DENISE, Sue K.
; APPLICANT: KERR, Richard
; APPLICANT: ROSENFELD, David
; APPLICANT: HOLM, Tom
; APPLICANT: BATES, Stephen
; APPLICANT: FANTIN, Dennis
; TITLE OF INVENTION: METHODS AND SYSTEMS FOR INFERRING BOVINE TRAITS
; FILE REFERENCE: MM1100-1
; CURRENT APPLICATION NUMBER: US/10/750,623
; CURRENT FILING DATE: 2003-12-31
; PRIOR APPLICATION NUMBER: US 60/437,482
; PRIOR FILING DATE: 2002-12-31
; NUMBER OF SEQ ID NOS: 64922
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 36768
; LENGTH: 1877
; TYPE: DNA
; ORGANISM: Bovine 1986680532175
US-10-750-623-36768

Query Match 73.3%; Score 15.4; DB 6; Length 1877;
Best Local Similarity 94.1%; Pred. No. 3.6e+02;
Matches 16; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

OY 5 ATGAGGAGGAGTGCGC 21
Db 432 ACGAGGAGGAGTGCGC 416

RESULT 19
US-10-310-914A-15865/c

; Sequence 15865, Application US/10310914A
; Publication No. US20060003322A1
; GENERAL INFORMATION:
; APPLICANT: Bentwich, Isaac
; APPLICANT: Shiller, Kuvzat
; TITLE OF INVENTION: Bioinformatically detectable group of novel regulatory genes and
; FILE REFERENCE: 06087.0200.CPUS01
; CURRENT APPLICATION NUMBER: US/10/310,914A
; CURRENT FILING DATE: 2002-12-06
; NUMBER OF SEQ ID NOS: 138402
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 15865
; LENGTH: 73
; TYPE: RNA
; ORGANISM: Human
US-10-310-914A-15865

Query Match 72.4%; Score 15.2; DB 6; Length 73;
Best Local Similarity 85.0%; Pred. No. 4e+02;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

OY 2 GCGATGAGGAGGAGTGCGC 21
Db 56 GCGATGAGGAGGAGTGCGC 37

RESULT 20
US-10-995-561-12142
; Sequence 12142, Application US/10995561
; Publication No. US20050272054A1
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
; FILE REFERENCE: CL001559
; CURRENT APPLICATION NUMBER: US/10/995,561
; CURRENT FILING DATE: 2004-11-24
; NUMBER OF SEQ ID NOS: 85702
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 12142
; LENGTH: 201
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-995-561-12142

Query Match 72.4%; Score 15.2; DB 6; Length 201;
Best Local Similarity 85.0%; Pred. No. 4.1e+02;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

OY 1 AGCGATGAGGAGGAGTGCGC 20
Db 63 AGCGATGAGGAGGAGTGCGC 82

RESULT 21
US-10-995-561-12160
; Sequence 12160, Application US/10995561
; Publication No. US20050272054A1
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
; FILE REFERENCE: CL001559
; CURRENT APPLICATION NUMBER: US/10/995,561
; CURRENT FILING DATE: 2004-11-24
; NUMBER OF SEQ ID NOS: 85702
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 12160
; LENGTH: 201
; TYPE: DNA

```
; ORGANISM: Homo sapiens
US-10-995-561-12160

Query Match
Best Local Similarity 72.4%; Score 15.2; DB 6; Length 201;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1 AGCGATGAGAGAGATGGCG 20
Db 63 AGCGATGAGAGAGATGGCG 82

RESULT 22
US-10-995-561-12212
; Sequence 12212, Application US/10995561
; Publication No. US20050272054A1
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
; TITLE OF INVENTION: DETECTION AND USES THEREOF
; FILE REFERENCE: CL001559
; CURRENT APPLICATION NUMBER: US/10/995,561
; CURRENT FILING DATE: 2004-11-24
; NUMBER OF SEQ ID NOS: 85702
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 12212
; LENGTH: 201
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-995-561-12212

Query Match
Best Local Similarity 72.4%; Score 15.2; DB 6; Length 201;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1 AGCGATGAGAGAGATGGCG 20
Db 63 AGCGATGAGAGAGATGGCG 82

RESULT 23
US-10-995-561-12265
; Sequence 12265, Application US/10995561
; Publication No. US20050272054A1
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
; TITLE OF INVENTION: DETECTION AND USES THEREOF
; FILE REFERENCE: CL001559
; CURRENT APPLICATION NUMBER: US/10/995,561
; CURRENT FILING DATE: 2004-11-24
; NUMBER OF SEQ ID NOS: 85702
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 12265
; LENGTH: 201
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-995-561-12265

Query Match
Best Local Similarity 72.4%; Score 15.2; DB 6; Length 201;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1 AGCGATGAGAGAGATGGCG 20
Db 63 AGCGATGAGAGAGATGGCG 82

RESULT 24
US-10-995-561-12318
; Sequence 12318, Application US/10995561
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; Publication No. US20050272054A1
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
; TITLE OF INVENTION: DETECTION AND USES THEREOF
; FILE REFERENCE: CL001559
; CURRENT APPLICATION NUMBER: US/10/995,561
; CURRENT FILING DATE: 2004-11-24
; NUMBER OF SEQ ID NOS: 85702
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 12318
; LENGTH: 201
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-995-561-12318

Query Match
Best Local Similarity 72.4%; Score 15.2; DB 6; Length 201;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1 AGCGATGAGAGAGATGGCG 20
Db 63 AGCGATGAGAGAGATGGCG 82

RESULT 25
US-10-995-561-62324
; Sequence 62324, Application US/10995561
; Publication No. US20050272054A1
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
; TITLE OF INVENTION: DETECTION AND USES THEREOF
; FILE REFERENCE: CL001559
; CURRENT APPLICATION NUMBER: US/10/995,561
; CURRENT FILING DATE: 2004-11-24
; NUMBER OF SEQ ID NOS: 85702
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 62324
; LENGTH: 201
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-995-561-62324

Query Match
Best Local Similarity 72.4%; Score 15.2; DB 6; Length 201;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1 AGCGATGAGAGAGATGGCG 20
Db 63 AGCGATGAGAGAGATGGCG 82

RESULT 26
US-10-802-796-567
; Sequence 567, Application US/10802796
; Publication No. US20050250104A1
; GENERAL INFORMATION:
; APPLICANT: COLE, STEWART
; APPLICANT: BUCHRIESSER-BROSCHE, ROLAND
; APPLICANT: GORDON, STEPHEN
; APPLICANT: BILLAUD, ALAIN
; TITLE OF INVENTION: A METHOD FOR ISOLATING A POLYNUCLEOTIDE OF INTEREST
; TITLE OF INVENTION: FROM THE GENOME OF A MYCOBACTERIUM USING A BAC-BASED
; TITLE OF INVENTION: DNA LIBRARY. APPLICATION TO THE DETECTION OF
; FILE REFERENCE: 05394.0011-00000
; CURRENT APPLICATION NUMBER: US/10/802,796
; CURRENT FILING DATE: 2004-03-18
; PRIOR APPLICATION NUMBER: US/09/673,476
; PRIOR FILING DATE: 2002-03-29
```

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/ PRIOR APPLICATION NUMBER: PCT/IB99/00740
/ PRIOR FILING DATE: 1999-04-16
/ PRIOR APPLICATION NUMBER: 09/060,756
/ PRIOR FILING DATE: 1998-04-16
/ NUMBER OF SEQ ID NOS: 743
/ SOFTWARE: PatentIn Ver. 2.2
/ SEQ ID NO 567
/ LENGTH: 374
/ TYPE: DNA
/ ORGANISM: Mycobacterium tuberculosis
/ FEATURE:
/ NAME/KEY: modified_base
/ LOCATION: (13)
/ OTHER INFORMATION: a, t, c or g
/ FEATURE:
/ NAME/KEY: modified_base
/ LOCATION: (15)
/ OTHER INFORMATION: a, t, c or g
/ FEATURE:
/ NAME/KEY: modified_base
/ LOCATION: (20)
/ OTHER INFORMATION: a, t, c or g
/ FEATURE:
/ NAME/KEY: modified_base
/ LOCATION: (23)
/ OTHER INFORMATION: a, t, c or g
/ FEATURE:
/ NAME/KEY: modified_base
/ LOCATION: (93)
/ OTHER INFORMATION: a, t, c or g
/ FEATURE:
/ NAME/KEY: modified_base
/ LOCATION: (205)
/ OTHER INFORMATION: a, t, c or g
/ FEATURE:
/ NAME/KEY: modified_base
/ LOCATION: (262)
/ OTHER INFORMATION: a, t, c or g
/ FEATURE:
/ NAME/KEY: modified_base
/ LOCATION: (268)
/ OTHER INFORMATION: a, t, c or g
/ FEATURE:
/ NAME/KEY: modified_base
/ LOCATION: (275)
/ OTHER INFORMATION: a, t, c or g
/ FEATURE:
/ NAME/KEY: modified_base
/ LOCATION: (327)
/ OTHER INFORMATION: a, t, c or g
/ US-10-802-796-567

Query Match      72.4%; Score 15.2; DB 6; Length 374;
Best Local Similarity 81.0%; Pred. No. 4.2e+02;
Matches 17; Conservative 0; Mismatches 4; Indels 0; Gaps 0;
```

```
QY      1 AGCGATGAGGAGGATGCGGC 21
DB      274 ANCGATGCTGAGGAGCGCGC 294
```

```
RESULT 27
US-11-147-047-16
/ Sequence 16; Application US/11147047
/ GENERAL INFORMATION:
/ APPLICANT: Agarwal, Pankaj
/ APPLICANT: Murdock, Paul R.
/ APPLICANT: Rizvi, Safia K.
/ APPLICANT: Smith, Randall F.
/ APPLICANT: Xiang, Zhaoying
/ TITLE OF INVENTION: NOVEL COMPOUNDS
/ FILE REFERENCE: GP50016
```

```
/ CURRENT APPLICATION NUMBER: US/11/147,047
/ CURRENT FILING DATE: 2005-06-07
/ PRIOR APPLICATION NUMBER: US/10/221,097
/ PRIOR FILING DATE: 2002-09-06
/ PRIOR APPLICATION NUMBER: PCT/US01/07143
/ PRIOR FILING DATE: 2001-03-05
/ PRIOR APPLICATION NUMBER: 60/187,107
/ PRIOR FILING DATE: 2000-03-06
/ PRIOR APPLICATION NUMBER: 60/236,874
/ PRIOR FILING DATE: 2000-10-03
/ PRIOR APPLICATION NUMBER: 60/188,916
/ PRIOR FILING DATE: 2000-03-13
/ PRIOR APPLICATION NUMBER: 60/237,846
/ PRIOR FILING DATE: 2000-10-03
/ NUMBER OF SEQ ID NOS: 52
/ SOFTWARE: PatSeq for Windows Version 3.0
/ SEQ ID NO 16
/ LENGTH: 597
/ TYPE: DNA
/ ORGANISM: Homo sapiens
/ US-11-147-047-16

Query Match      72.4%; Score 15.2; DB 7; Length 597;
Best Local Similarity 85.0%; Pred. No. 4.3e+02;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
```

```
QY      2 GCGATGAGGAGGATGCGGC 21
DB      425 GCGATGTGAGGAGATGCGC 444
```

```
RESULT 28
US-10-750-185-26148
/ Sequence 26148; Application US/10750185
/ Publication No. US2005026063A1
/ GENERAL INFORMATION:
/ APPLICANT: MMI GENOMICS, INC.
/ APPLICANT: DENISE, Sue K.
/ APPLICANT: KERR, Richard
/ APPLICANT: ROSENFELD, David
/ APPLICANT: HOLM, Tom
/ APPLICANT: BATES, Stephen
/ APPLICANT: FANTIN, Dennis
/ TITLE OF INVENTION: COMPOSITIONS FOR INFERRING BOVINE TRAITS
/ FILE REFERENCE: MM1100-2
/ CURRENT APPLICATION NUMBER: US/10/750,185
/ CURRENT FILING DATE: 2003-12-31
/ PRIOR APPLICATION NUMBER: US 60/437,482
/ PRIOR FILING DATE: 2002-12-31
/ NUMBER OF SEQ ID NOS: 64922
/ SOFTWARE: PatentIn version 3.1
/ SEQ ID NO 26148
/ LENGTH: 682
/ TYPE: DNA
/ ORGANISM: Bovine
/ US-10-750-185-26148

Query Match      72.4%; Score 15.2; DB 6; Length 682;
Best Local Similarity 85.0%; Pred. No. 4.3e+02;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
```

```
QY      2 GCGATGAGGAGGATGCGGC 21
DB      230 GCGATGGGAGGAGTGGGC 249
```

```
RESULT 29
US-10-750-623-26148
/ Sequence 26148; Application US/10750623
/ Publication No. US2005028751A1
/ GENERAL INFORMATION:
/ APPLICANT: MMI GENOMICS, INC.
/ APPLICANT: DENISE, Sue K.
```

```
; APPLICANT: KERR, Richard
; APPLICANT: ROSENFELD, David
; APPLICANT: HOLM, Tom
; APPLICANT: BATES, Stephen
; APPLICANT: FANTIN, Dennis
; TITLE OF INVENTION: METHODS AND SYSTEMS FOR INFERRING BOVINE TRAITS
; FILE REFERENCE: MM1100-1
; CURRENT APPLICATION NUMBER: US/10/750,623
; CURRENT FILING DATE: 2003-12-31
; PRIOR APPLICATION NUMBER: US 60/437,482
; NUMBER OF SEQ ID NOS: 64922
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO: 26148
; LENGTH: 682
; TYPE: DNA
; ORGANISM: Bovine 19866881636281
US-10-750-623-26148

Query Match 72.4%; Score 15.2; DB 6; Length 682;
Best Local Similarity 85.0%; Pred. No. 4.3e+02;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 2 GCGATGAGGAGGTGGCG 21
Db 230 GCGATGGGAGAGTGGCG 249

RESULT 30
US-10-516-768-10
; Sequence 10, Application US/10516768
; Publication No. US20050256302A1
; GENERAL INFORMATION:
; APPLICANT: MINAMINO, NAOTO
; APPLICANT: KATAFUCHI, TAKESHI
; TITLE OF INVENTION: NOVEL PEPTIDES HAVING CAMP PRODUCING ACTIVITY
; FILE REFERENCE: 62273(71526)
; CURRENT APPLICATION NUMBER: US/10/516,768
; CURRENT FILING DATE: 2004-12-03
; PRIOR APPLICATION NUMBER: PCT/JP03/06641
; PRIOR FILING DATE: 2003-05-28
; PRIOR APPLICATION NUMBER: JP 2002-162797
; PRIOR FILING DATE: 2002-06-04
; NUMBER OF SEQ ID NOS: 52
; SOFTWARE: PatentIn Ver. 3.3
; SEQ ID NO: 10
; LENGTH: 686
; TYPE: DNA
; ORGANISM: Canis sp.
US-10-516-768-10

Query Match 72.4%; Score 15.2; DB 6; Length 686;
Best Local Similarity 85.0%; Pred. No. 4.3e+02;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 2 GCGATGAGGAGGTGGCG 21
Db 227 GCAATGAGGAGATTCGC 246

RESULT 31
US-10-995-561-470
; Sequence 470, Application US/10995561
; Publication No. US20050272054A1
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
; FILE REFERENCE: CU001559
; CURRENT APPLICATION NUMBER: US/10/995,561
; CURRENT FILING DATE: 2004-11-24
; NUMBER OF SEQ ID NOS: 85702
```

```
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO: 470
; LENGTH: 1978
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-995-561-470

Query Match 72.4%; Score 15.2; DB 6; Length 1978;
Best Local Similarity 85.0%; Pred. No. 4.5e+02;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 AGCGATGAGGAGGTGGCG 20
Db 1246 AGCGATGAGAGATGGCG 1265

RESULT 32
US-10-750-185-57897
; Sequence 57897, Application US/10750185
; Publication No. US200502603A1
; GENERAL INFORMATION:
; APPLICANT: MMI GENOMICS, INC.
; APPLICANT: DENISE, Sue K.
; APPLICANT: KERR, Richard
; APPLICANT: ROSENFELD, David
; APPLICANT: HOLM, Tom
; APPLICANT: BATES, Stephen
; APPLICANT: FANTIN, Dennis
; TITLE OF INVENTION: COMPOSITIONS FOR INFERRING BOVINE TRAITS
; FILE REFERENCE: MM1100-2
; CURRENT APPLICATION NUMBER: US/10/750,185
; CURRENT FILING DATE: 2003-12-31
; PRIOR APPLICATION NUMBER: US 60/437,482
; PRIOR FILING DATE: 2002-12-31
; NUMBER OF SEQ ID NOS: 64922
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO: 57897
; LENGTH: 2095
; TYPE: DNA
; ORGANISM: Bovine 19866880936915
US-10-750-185-57897

Query Match 72.4%; Score 15.2; DB 6; Length 2095;
Best Local Similarity 85.0%; Pred. No. 4.5e+02;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 AGCGATGAGGAGGTGGCG 20
Db 1007 AGGATGAGGAGGTGGAG 1026

RESULT 33
US-10-750-623-57897
; Sequence 57897, Application US/10750623
; Publication No. US20050287531A1
; GENERAL INFORMATION:
; APPLICANT: MMI GENOMICS, INC.
; APPLICANT: DENISE, Sue K.
; APPLICANT: KERR, Richard
; APPLICANT: ROSENFELD, David
; APPLICANT: HOLM, Tom
; APPLICANT: BATES, Stephen
; APPLICANT: FANTIN, Dennis
; TITLE OF INVENTION: METHODS AND SYSTEMS FOR INFERRING BOVINE TRAITS
; FILE REFERENCE: MM1100-1
; CURRENT APPLICATION NUMBER: US/10/750,623
; CURRENT FILING DATE: 2003-12-31
; PRIOR APPLICATION NUMBER: US 60/437,482
; PRIOR FILING DATE: 2002-12-31
; NUMBER OF SEQ ID NOS: 64922
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO: 57897
; LENGTH: 2095
```

TYPE: DNA
ORGANISM: Bovine 1986680936915
US-10-750-623-57897

Query Match 72.4%; Score 15.2; DB 6; Length 2095;
Best Local Similarity 85.0%; Pred. No. 4.5e+02;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 AGCGATGAGGAGGATGGCG 20
|||
Db 1007 AGGATGAGGAGGTGTGAG 1026

RESULT 34
US-10-995-561-473
Sequence 473, Application US/10995561
Publication No. US20050272054A1

GENERAL INFORMATION:
APPLICANT: CARGILL, Michele et al.
TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
TITLE OF INVENTION: DETECTION AND USES THEREOF
FILE REFERENCE: CL001559
CURRENT APPLICATION NUMBER: US/10/995,561
CURRENT FILING DATE: 2004-11-24
NUMBER OF SEQ ID NOS: 85702
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 473
LENGTH: 6683
TYPE: DNA
ORGANISM: Homo sapiens
US-10-995-561-473

Query Match 72.4%; Score 15.2; DB 6; Length 6683;
Best Local Similarity 85.0%; Pred. No. 4.7e+02;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 AGCGATGAGGAGGATGGCG 20
|||
Db 1058 AGCGATGAGGAGATGGCG 1077

RESULT 35
US-10-995-561-472

Sequence 472, Application US/10995561
Publication No. US20050272054A1

GENERAL INFORMATION:
APPLICANT: CARGILL, Michele et al.
TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
TITLE OF INVENTION: DETECTION AND USES THEREOF
FILE REFERENCE: CL001559
CURRENT APPLICATION NUMBER: US/10/995,561
CURRENT FILING DATE: 2004-11-24
NUMBER OF SEQ ID NOS: 85702
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 472
LENGTH: 6700
TYPE: DNA
ORGANISM: Homo sapiens
US-10-995-561-472

Query Match 72.4%; Score 15.2; DB 6; Length 6700;
Best Local Similarity 85.0%; Pred. No. 4.7e+02;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 AGCGATGAGGAGGATGGCG 20
|||
Db 1058 AGCGATGAGGAGATGGCG 1077

RESULT 36
US-11-069-834-59

Sequence 59, Application US/11069834
Publication No. US20050276811A1
GENERAL INFORMATION:
APPLICANT: CARROLL, MICHAEL C.
APPLICANT: MOORE JR., FRANCIS D.
APPLICANT: HECHTMAN, HERBERT B.
TITLE OF INVENTION: NATURAL IGM ANTIBODIES AND INHIBITORS THEREOF
FILE REFERENCE: CRA-002.01
CURRENT APPLICATION NUMBER: US/11/069,834
CURRENT FILING DATE: 2005-03-01
PRIOR APPLICATION NUMBER: 60/588,648
PRIOR FILING DATE: 2004-07-16
PRIOR APPLICATION NUMBER: 60/549,123
PRIOR FILING DATE: 2004-03-01
NUMBER OF SEQ ID NOS: 65
SOFTWARE: PatentIn Ver. 3.3
SEQ ID NO 59
LENGTH: 6786
TYPE: DNA
ORGANISM: Homo sapiens
US-11-069-834-59

Query Match 72.4%; Score 15.2; DB 7; Length 6786;
Best Local Similarity 85.0%; Pred. No. 4.7e+02;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 2 GCGATGAGGAGGATGGCG 21
|||
Db 2893 GCGAGGAGGAGGTGAGC 2912

RESULT 37
US-10-995-561-471

Sequence 471, Application US/10995561
Publication No. US20050272054A1

GENERAL INFORMATION:
APPLICANT: CARGILL, Michele et al.
TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
TITLE OF INVENTION: DETECTION AND USES THEREOF
FILE REFERENCE: CL001559
CURRENT APPLICATION NUMBER: US/10/995,561
CURRENT FILING DATE: 2004-11-24
NUMBER OF SEQ ID NOS: 85702
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 471
LENGTH: 6833
TYPE: DNA
ORGANISM: Homo sapiens
US-10-995-561-471

Query Match 72.4%; Score 15.2; DB 6; Length 6833;
Best Local Similarity 85.0%; Pred. No. 4.7e+02;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 AGCGATGAGGAGGATGGCG 20
|||
Db 1246 AGCGATGAGGAGATGGCG 1265

RESULT 38
US-10-995-561-474

Sequence 474, Application US/10995561
Publication No. US20050272054A1

GENERAL INFORMATION:
APPLICANT: CARGILL, Michele et al.
TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
TITLE OF INVENTION: DETECTION AND USES THEREOF
FILE REFERENCE: CL001559
CURRENT APPLICATION NUMBER: US/10/995,561
CURRENT FILING DATE: 2004-11-24
NUMBER OF SEQ ID NOS: 85702

US-11-069-834-59

SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 474
LENGTH: 6871
TYPE: DNA
ORGANISM: Homo sapiens
US-10-995-561-474

Query Match 72.4%; Score 15.2; DB 6; Length 6871;
Best Local Similarity 85.0%; Pred. No. 4.7e+02;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 AGCGATGAGGAGATGCGC 20
DB 1246 AGCGATGAGGAGATGCGC 1265

RESULT 39
US-10-995-561-13358
Sequence 13358, Application US/10995561
Publication No. US20050272054A1
GENERAL INFORMATION:
APPLICANT: CARGILL, Michele et al.
TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
TITLE OF INVENTION: DETECTION AND USES THEREOF
FILE REFERENCE: C1001555
CURRENT APPLICATION NUMBER: US/10/995,561
CURRENT FILING DATE: 2004-11-24
NUMBER OF SEQ ID NOS: 85702
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 13358
LENGTH: 38449
TYPE: DNA
ORGANISM: Homo sapiens
US-10-995-561-13358

Query Match 72.4%; Score 15.2; DB 6; Length 38449;
Best Local Similarity 85.0%; Pred. No. 4.9e+02;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 AGCGATGAGGAGATGCGC 20
DB 12109 AGCGATGAGGAGATGCGC 12128

RESULT 40
US-11-112-908-29
Sequence 29, Application US/11112908
Publication No. US20050260659A1
GENERAL INFORMATION:
APPLICANT: HARRIS, Cole
APPLICANT: DAVIS, Lisa M.
TITLE OF INVENTION: Breast Cancer Biomarkers
FILE REFERENCE: 04-164-US
CURRENT APPLICATION NUMBER: US/11/112,908
CURRENT FILING DATE: 2005-04-22
PRIOR APPLICATION NUMBER: US 60/564,758
PRIOR FILING DATE: 2004-04-23
PRIOR APPLICATION NUMBER: US 60/575,978
PRIOR FILING DATE: 2004-06-01
PRIOR APPLICATION NUMBER: US 60/631,702
PRIOR FILING DATE: 2004-11-30
PRIOR APPLICATION NUMBER: US 60/633,826
PRIOR FILING DATE: 2004-12-07
NUMBER OF SEQ ID NOS: 511
SOFTWARE: PatentIn version 3.3
SEQ ID NO 29
LENGTH: 131855
TYPE: DNA
ORGANISM: Homo sapiens
US-11-112-908-29

Query Match 72.4%; Score 15.2; DB 7; Length 131855;

Best Local Similarity 85.0%; Pred. No. 5e+02;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 2 GCGATGAGGAGAGTGGCC 21
DB 129353 GCGATGAGGAGAGTGGCTC 129372

RESULT 41
US-11-112-908-30
Sequence 30, Application US/11112908
Publication No. US20050260659A1
GENERAL INFORMATION:
APPLICANT: HARRIS, Cole
APPLICANT: DAVIS, Lisa M.
TITLE OF INVENTION: Breast Cancer Biomarkers
FILE REFERENCE: 04-164-US
CURRENT APPLICATION NUMBER: US/11/112,908
CURRENT FILING DATE: 2005-04-22
PRIOR APPLICATION NUMBER: US 60/564,758
PRIOR FILING DATE: 2004-04-23
PRIOR APPLICATION NUMBER: US 60/575,978
PRIOR FILING DATE: 2004-06-01
PRIOR APPLICATION NUMBER: US 60/631,702
PRIOR FILING DATE: 2004-11-30
PRIOR APPLICATION NUMBER: US 60/633,826
PRIOR FILING DATE: 2004-12-07
NUMBER OF SEQ ID NOS: 511
SOFTWARE: PatentIn version 3.3
SEQ ID NO 30
LENGTH: 143389
TYPE: DNA
ORGANISM: Homo sapiens
US-11-112-908-30

Query Match 72.4%; Score 15.2; DB 7; Length 143389;
Best Local Similarity 85.0%; Pred. No. 5e+02;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 2 GCGATGAGGAGAGTGGCC 21
DB 97126 GCGATGAGGAGAGTGGCTC 97145

RESULT 42
US-11-112-908-24
Sequence 24, Application US/11112908
Publication No. US20050260659A1
GENERAL INFORMATION:
APPLICANT: HARRIS, Cole
APPLICANT: DAVIS, Lisa M.
TITLE OF INVENTION: Breast Cancer Biomarkers
FILE REFERENCE: 04-164-US
CURRENT APPLICATION NUMBER: US/11/112,908
CURRENT FILING DATE: 2005-04-22
PRIOR APPLICATION NUMBER: US 60/564,758
PRIOR FILING DATE: 2004-04-23
PRIOR APPLICATION NUMBER: US 60/575,978
PRIOR FILING DATE: 2004-06-01
PRIOR APPLICATION NUMBER: US 60/631,702
PRIOR FILING DATE: 2004-11-30
PRIOR APPLICATION NUMBER: US 60/633,826
PRIOR FILING DATE: 2004-12-07
NUMBER OF SEQ ID NOS: 511
SOFTWARE: PatentIn version 3.3
SEQ ID NO 24
LENGTH: 150314
TYPE: DNA
ORGANISM: Homo sapiens
US-11-112-908-24

Query Match 72.4%; Score 15.2; DB 7; Length 150314;
Best Local Similarity 85.0%; Pred. No. 5e+02;

Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 2 GCGATGAGGAGGAGTGGCG 21

Db 11593 GCGATCAGGAGGAGTGGCTC 11612

RESULT 43
US-11-112-908-51

; Sequence 51, Application US/11112908
; Publication No. US20050260659A1
; GENERAL INFORMATION:
; APPLICANT: Harris, Cole
; APPLICANT: Davis, Lisa M.
; TITLE OF INVENTION: Breast Cancer Biomarkers
; FILE REFERENCE: 04-164-US
; CURRENT APPLICATION NUMBER: US/11/112,908
; PRIOR FILING DATE: 2005-04-22
; PRIOR APPLICATION NUMBER: US 60/564,758
; PRIOR FILING DATE: 2004-04-23
; PRIOR APPLICATION NUMBER: US 60/575,978
; PRIOR FILING DATE: 2004-06-01
; PRIOR APPLICATION NUMBER: US 60/631,702
; PRIOR FILING DATE: 2004-11-30
; PRIOR APPLICATION NUMBER: US 60/633,826
; PRIOR FILING DATE: 2004-12-07
; NUMBER OF SEQ ID NOS: 511
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 51
; LENGTH: 157224
; TYPE: DNA
; ORGANISM: Homo sapiens
US-11-112-908-51

Query Match 72.4%; Score 15.2; DB 7; Length 157224;
Best Local Similarity 85.0%; Pred. No. 5e+02;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 AGCGATGAGGAGGAGTGGCG 20

Db 13656 AGCGATGAGGAGGAGTGGAG 13675

RESULT 44
US-11-121-086-4/C

; Sequence 4, Application US/11121086
; Publication No. US20050266459A1
; GENERAL INFORMATION:
; APPLICANT: POULSEN, TIM S.
; APPLICANT: NIELSEN, KIRSTEN V.
; TITLE OF INVENTION: NUCLEIC ACID PROBES AND NUCLEIC ACID ANALOG PROBES
; FILE REFERENCE: 09138.6000-00000
; CURRENT APPLICATION NUMBER: US/11/121,086
; PRIOR FILING DATE: 2005-05-04
; PRIOR APPLICATION NUMBER: 60/567,570
; PRIOR FILING DATE: 2004-05-04
; NUMBER OF SEQ ID NOS: 107
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 4
; LENGTH: 164810
; TYPE: DNA
; ORGANISM: Homo sapiens
US-11-121-086-4

Query Match 72.4%; Score 15.2; DB 7; Length 164810;
Best Local Similarity 85.0%; Pred. No. 5e+02;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 AGCGATGAGGAGGAGTGGCG 20

Db 68138 AGTGCATCAGGAGGAGGAGCG 68119

RESULT 45
US-11-112-908-28

; Sequence 28, Application US/11112908
; Publication No. US20050260659A1
; GENERAL INFORMATION:
; APPLICANT: Harris, Cole
; APPLICANT: Davis, Lisa M.
; TITLE OF INVENTION: Breast Cancer Biomarkers
; FILE REFERENCE: 04-164-US
; CURRENT APPLICATION NUMBER: US/11/112,908
; PRIOR FILING DATE: 2005-04-22
; PRIOR APPLICATION NUMBER: US 60/564,758
; PRIOR FILING DATE: 2004-04-23
; PRIOR APPLICATION NUMBER: US 60/575,978
; PRIOR FILING DATE: 2004-06-01
; PRIOR APPLICATION NUMBER: US 60/631,702
; PRIOR FILING DATE: 2004-11-30
; PRIOR APPLICATION NUMBER: US 60/633,826
; PRIOR FILING DATE: 2004-12-07
; NUMBER OF SEQ ID NOS: 511
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 28
; LENGTH: 166020
; TYPE: DNA
; ORGANISM: Homo sapiens
US-11-112-908-28

Query Match 72.4%; Score 15.2; DB 7; Length 166020;
Best Local Similarity 85.0%; Pred. No. 5e+02;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 2 GCGATGAGGAGGAGTGGCG 21

Db 143607 GCGATCAGGAGGAGTGGCTC 143626

RESULT 46
US-11-112-908-50

; Sequence 50, Application US/11112908
; Publication No. US20050260659A1
; GENERAL INFORMATION:
; APPLICANT: Harris, Cole
; APPLICANT: Davis, Lisa M.
; TITLE OF INVENTION: Breast Cancer Biomarkers
; FILE REFERENCE: 04-164-US
; CURRENT APPLICATION NUMBER: US/11/112,908
; PRIOR FILING DATE: 2005-04-22
; PRIOR APPLICATION NUMBER: US 60/564,758
; PRIOR FILING DATE: 2004-04-23
; PRIOR APPLICATION NUMBER: US 60/575,978
; PRIOR FILING DATE: 2004-06-01
; PRIOR APPLICATION NUMBER: US 60/631,702
; PRIOR FILING DATE: 2004-11-30
; PRIOR APPLICATION NUMBER: US 60/633,826
; PRIOR FILING DATE: 2004-12-07
; NUMBER OF SEQ ID NOS: 511
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 50
; LENGTH: 170189
; TYPE: DNA
; ORGANISM: Homo sapiens
US-11-112-908-50

Query Match 72.4%; Score 15.2; DB 7; Length 170189;
Best Local Similarity 85.0%; Pred. No. 5e+02;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 AGCGATGAGGAGGAGTGGCG 20

Db 46416 AGCGATGAGGAGGAGTGGAG 46435

RESULT 47

US-11-121-086-41
; Sequence 41, Application US/1121086
; Publication No. US20050266459A1
; GENERAL INFORMATION:
; APPLICANT: POULSEN, TIM S.
; APPLICANT: NIELSEN, KIRSTEN V.
; TITLE OF INVENTION: NUCLEIC ACID PROBES AND NUCLEIC ACID ANALOG PROBES
; FILE REFERENCE: 09138.6000-00000
; CURRENT APPLICATION NUMBER: US/11/121,086
; CURRENT FILING DATE: 2005-05-04
; PRIOR APPLICATION NUMBER: 60/567,570
; PRIOR FILING DATE: 2004-05-04
; NUMBER OF SEQ ID NOS: 107
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 41
; LENGTH: 181172
; TYPE: DNA
; ORGANISM: Homo sapiens
US-11-121-086-41

Query Match 72.4%; Score 15.2; DB 7; Length 181172;
Best Local Similarity 85.0%; Pred. No. 5e+02;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 AGCGATGAGGAGAGTGCGC 20

Db 119620 AGAGATGAGGAGAGTGAG 119639

RESULT 48
US-11-117-187-211/C

; Sequence 211, Application US/1111787
; Publication No. US20050266560A1
; GENERAL INFORMATION:
; APPLICANT: PREUSS, DAPHNE
; APPLICANT: COPEHAYVER, GREGORY
; TITLE OF INVENTION: PLANT ARTIFICIAL CHROMOSOME COMPOSITIONS AND METHODS
; FILE REFERENCE: ARCD:300US
; CURRENT APPLICATION NUMBER: US/11/117,187
; CURRENT FILING DATE: 2005-04-28
; PRIOR APPLICATION NUMBER: US/09/531,120
; PRIOR FILING DATE: 2000-03-17
; PRIOR APPLICATION NUMBER: 60/125,219
; PRIOR FILING DATE: 1999-03-18
; NUMBER OF SEQ ID NOS: 212
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 211
; LENGTH: 1082144
; TYPE: DNA
; ORGANISM: Arabidopsis thaliana
US-11-117-187-211

Query Match 72.4%; Score 15.2; DB 7; Length 1082144;
Best Local Similarity 85.0%; Pred. No. 3.9e+02;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 AGCGATGAGGAGAGTGCGC 20

Db 924823 AGCGTGAGGAGAGTGAG 924804

RESULT 49
US-11-101-244-945697

; Sequence 945697, Application US/11101244
; Publication No. US20050246794A1
; GENERAL INFORMATION:
; APPLICANT: Dharmacon, Inc.
; APPLICANT: Khvorova, Anastasia
; APPLICANT: Reynolds, Angela
; APPLICANT: Leake, Devin
; APPLICANT: Marshall, William
; APPLICANT: Scaringe, Stephen
; TITLE OF INVENTION: Functional and Hyperfunctional siRNA

; FILE REFERENCE: 13499US
; CURRENT APPLICATION NUMBER: US/11/101,244
; CURRENT FILING DATE: 2005-04-07
; PRIOR APPLICATION NUMBER: 60/502,050
; PRIOR FILING DATE: 2003-09-10
; PRIOR APPLICATION NUMBER: 60/426,137
; PRIOR FILING DATE: 2002-11-14
; NUMBER OF SEQ ID NOS: 1591911
; SOFTWARE: Proprietary
; SEQ ID NO 945697
; LENGTH: 19
; TYPE: RNA
; ORGANISM: Homo sapiens
US-11-101-244-945697

Query Match 71.4%; Score 15; DB 8; Length 19;
Best Local Similarity 86.7%; Pred. No. 4.6e+02;
Matches 13; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 3 CGATGAGGAGAGTG 17

Db 2 CGAUGAGGAGAGUG 16

RESULT 50
US-11-083-784-945697
; Sequence 945697, Application US/11083784
; Publication No. US20050245475A1
; GENERAL INFORMATION:
; APPLICANT: Dharmacon, Inc.
; APPLICANT: Khvorova, Anastasia
; APPLICANT: Reynolds, Angela
; APPLICANT: Leake, Devin
; APPLICANT: Marshall, William
; APPLICANT: Scaringe, Stephen
; TITLE OF INVENTION: Functional and Hyperfunctional siRNA
; FILE REFERENCE: 13499US
; CURRENT APPLICATION NUMBER: US/11/083,784
; CURRENT FILING DATE: 2005-03-18
; PRIOR APPLICATION NUMBER: US/10/714,333
; PRIOR FILING DATE: 2003-11-14
; PRIOR APPLICATION NUMBER: 60/502,050
; PRIOR FILING DATE: 2003-09-10
; PRIOR APPLICATION NUMBER: 60/426,137
; PRIOR FILING DATE: 2002-11-14
; NUMBER OF SEQ ID NOS: 1591911
; SOFTWARE: Proprietary
; SEQ ID NO 945697
; LENGTH: 19
; TYPE: RNA
; ORGANISM: Homo sapiens
US-11-083-784-945697

Query Match 71.4%; Score 15; DB 9; Length 19;
Best Local Similarity 86.7%; Pred. No. 4.6e+02;
Matches 13; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 3 CGATGAGGAGAGTG 17

Db 2 CGAUGAGGAGAGUG 16

Search completed: January 12, 2006, 01:34:15
Job time : 324.503 secs

98	15	28.3	6144	3	US-09-949-016-12285	Sequence 12285, A	171	14	26.4	1330	3	US-09-388-993-4	Sequence 4, Appl1
C 99	15	28.3	10827	2	US-09-949-016-12297	Sequence 12297, A	172	14	26.4	1330	3	US-09-501-714-4	Sequence 4, Appl1
100	15	28.3	16885	3	US-08-390-878-16	Sequence 16, Appl1	C 173	14	26.4	1377	3	US-09-489-039A-2013	Sequence 2013, Ap
101	15	28.3	18331	3	US-09-266-965-96	Sequence 96, Appl1	C 174	14	26.4	1410	3	US-09-712-363-7	Sequence 7, Appl1
C 102	15	28.3	27659	3	US-09-949-016-17612	Sequence 17612, A	175	14	26.4	1413	3	US-09-252-991A-437	Sequence 437, Ap
C 103	15	28.3	32155	3	US-08-311-731A-1	Sequence 1, Appl1	C 176	14	26.4	1437	3	US-09-252-991A-354	Sequence 354, Ap
C 104	15	28.3	36033	3	US-08-311-731A-124	Sequence 124, App	177	14	26.4	1499	3	US-09-248-796A-810	Sequence 810, App
C 105	15	28.3	36470	3	US-08-311-731A-123	Sequence 123, App	178	14	26.4	1545	3	US-09-799-451-339	Sequence 339, App
C 106	15	28.3	39195	3	US-08-311-731A-133	Sequence 133, App	179	14	26.4	1569	3	US-09-489-039A-2069	Sequence 2069, Ap
C 107	15	28.3	42988	3	US-08-311-731A-128	Sequence 128, App	180	14	26.4	1569	3	US-09-252-991A-423	Sequence 423, App
C 108	15	28.3	53500	3	US-09-266-965-76	Sequence 76, Appl1	C 181	14	26.4	1617	3	US-09-252-991A-381	Sequence 381, App
C 109	15	28.3	105045	3	US-09-949-002-663	Sequence 663, App	182	14	26.4	1633	4	US-09-605-703B-617	Sequence 617, App
C 110	15	28.3	107045	3	US-09-949-002-772	Sequence 772, App	183	14	26.4	1633	4	US-09-605-703B-619	Sequence 619, App
C 111	14	26.4	25	3	US-09-356-196G-99614	Sequence 99614, A	184	14	26.4	1797	3	US-09-583-110-404	Sequence 409, App
C 112	14	26.4	50	3	US-10-131-827-7465	Sequence 7465, Ap	185	14	26.4	1815	3	US-09-107-433-1745	Sequence 1745, Ap
C 113	14	26.4	236	3	US-09-270-767-26631	Sequence 26631, A	186	14	26.4	1977	3	US-09-492-709A-192	Sequence 192, App
C 114	14	26.4	236	3	US-09-270-767-27368	Sequence 27368, A	C 187	14	26.4	1987	3	US-09-252-991A-16328	Sequence 16328, A
C 115	14	26.4	236	3	US-09-270-767-28177	Sequence 28177, A	188	14	26.4	2034	3	US-09-252-991A-1955	Sequence 995, App
C 116	14	26.4	279	3	US-09-270-767-11100	Sequence 31100, A	189	14	26.4	2034	3	US-09-252-991A-1954	Sequence 15954, A
C 117	14	26.4	282	3	US-09-313-294A-323	Sequence 323, App	190	14	26.4	2151	3	US-09-489-039A-1072	Sequence 1072, Ap
C 118	14	26.4	332	3	US-09-640-211A-421	Sequence 421, App	191	14	26.4	2244	6	PCT-US95-09323-10	Sequence 10, Appl
C 119	14	26.4	332	3	US-09-313-294A-5538	Sequence 5538, Ap	192	14	26.4	2244	6	PCT-US95-09323-1	Sequence 1, Appl1
C 120	14	26.4	375	3	US-09-252-991A-16439	Sequence 16439, A	193	14	26.4	2334	6	US-08-476-519-1	Sequence 1, Appl1
C 121	14	26.4	378	3	US-09-621-976-13864	Sequence 13864, A	194	14	26.4	2334	6	US-08-476-519-1	Sequence 1, Appl1
C 122	14	26.4	405	3	US-09-252-991A-388	Sequence 388, App	C 195	14	26.4	2400	3	US-08-930-001-1	Sequence 1, Appl1
C 123	14	26.4	436	3	US-09-270-767-11104	Sequence 11104, A	C 196	14	26.4	2400	3	US-09-091-885-1	Sequence 1, Appl1
C 124	14	26.4	493	3	US-09-270-767-14848	Sequence 14848, A	C 197	14	26.4	2510	3	US-10-104-047-768	Sequence 768, App
C 125	14	26.4	508	3	US-09-270-767-7314	Sequence 7314, Ap	198	14	26.4	2751	3	US-09-543-681A-1633	Sequence 1033, Ap
C 126	14	26.4	508	3	US-09-270-767-22596	Sequence 22596, A	199	14	26.4	2751	3	US-09-489-039A-6554	Sequence 6954, Ap
C 127	14	26.4	554	3	US-09-252-991A-4742	Sequence 4742, Ap	200	14	26.4	2814	3	US-10-104-047-991	Sequence 991, App
C 128	14	26.4	554	3	US-09-533-559-8826	Sequence 4826, Ap	C 201	14	26.4	2856	3	US-09-643-597-135	Sequence 935, App
C 129	14	26.4	571	3	US-09-533-559-7516	Sequence 7516, Ap	C 202	14	26.4	2856	3	US-09-480-884A-135	Sequence 135, App
C 130	14	26.4	601	3	US-09-949-016-18133	Sequence 18133, A	C 203	14	26.4	2856	3	US-09-542-615A-135	Sequence 135, App
C 131	14	26.4	601	3	US-09-949-016-19487	Sequence 19487, A	C 204	14	26.4	2856	3	US-09-606-421A-135	Sequence 135, App
C 132	14	26.4	601	3	US-09-949-016-139408	Sequence 139408, A	C 205	14	26.4	2856	3	US-09-221-107-135	Sequence 135, App
C 133	14	26.4	601	3	US-09-949-016-199117	Sequence 199117, A	C 206	14	26.4	2856	3	US-09-466-396A-135	Sequence 135, App
C 134	14	26.4	606	3	US-09-252-991A-607	Sequence 607, App	C 207	14	26.4	2856	3	US-09-476-396A-135	Sequence 135, App
C 135	14	26.4	612	3	US-09-711-164-865	Sequence 865, App	C 208	14	26.4	2856	3	US-09-630-940A-135	Sequence 135, App
C 136	14	26.4	632	3	US-09-270-767-1955	Sequence 1955, App	C 209	14	26.4	2856	3	US-09-285-479-135	Sequence 135, App
C 137	14	26.4	632	3	US-09-270-767-17237	Sequence 17237, A	C 210	14	26.4	2856	3	US-10-007-700-135	Sequence 135, App
C 138	14	26.4	648	3	US-09-533-559-6806	Sequence 6806, Ap	C 211	14	26.4	2994	3	US-09-252-991A-14228	Sequence 14228, A
C 139	14	26.4	666	3	US-09-252-991A-8045	Sequence 8045, Ap	C 212	14	26.4	3023	3	US-09-203-453-4	Sequence 4, Appl1
C 140	14	26.4	732	3	US-09-252-991A-407	Sequence 407, App	C 213	14	26.4	3023	3	US-09-900-236-4	Sequence 4, Appl1
C 141	14	26.4	735	3	US-09-533-559-5824	Sequence 5824, Ap	C 214	14	26.4	3023	3	US-10-256-889-4	Sequence 4, Appl1
C 142	14	26.4	747	3	US-09-813-453B-35	Sequence 35, Appl1	C 215	14	26.4	3023	3	US-10-439-799-4	Sequence 4, Appl1
C 143	14	26.4	762	3	US-09-252-991A-4766	Sequence 4766, Ap	C 216	14	26.4	3093	2	US-08-252-966B-19	Sequence 19, Appl
C 144	14	26.4	765	3	US-09-252-991A-4462	Sequence 4462, Ap	217	14	26.4	3100	2	US-08-296-362-1	Sequence 1, Appl1
C 145	14	26.4	870	3	US-09-252-991A-14185	Sequence 14185, A	C 218	14	26.4	3188	3	US-09-252-991A-1090	Sequence 1090, Ap
C 146	14	26.4	888	3	US-09-252-991A-8156	Sequence 8156, Ap	219	14	26.4	3378	3	US-09-364-899-48	Sequence 48, Appl
C 147	14	26.4	900	3	US-09-902-540-4438	Sequence 4438, Ap	220	14	26.4	3379	3	US-09-220-132-12	Sequence 12, Appl
C 148	14	26.4	906	3	US-09-489-039A-6052	Sequence 6052, Ap	221	14	26.4	3445	3	US-09-976-594-323	Sequence 323, App
C 149	14	26.4	924	3	US-09-328-352-2192	Sequence 2192, Ap	222	14	26.4	3509	2	US-08-175-471-6	Sequence 6, Appl1
C 150	14	26.4	948	3	US-09-587-789-8	Sequence 8, Appl1	223	14	26.4	3509	2	US-08-429-054A-12	Sequence 12, Appl
C 151	14	26.4	972	3	US-09-252-991A-4563	Sequence 4563, Ap	224	14	26.4	3509	2	US-08-718-777-6	Sequence 6, Appl1
C 152	14	26.4	975	3	US-09-248-796A-1684	Sequence 1684, Ap	225	14	26.4	3509	3	US-09-078-862-2	Sequence 2, Appl1
C 153	14	26.4	979	3	US-09-270-767-565	Sequence 565, App	226	14	26.4	3509	3	US-09-051-341-6	Sequence 6, Appl1
C 154	14	26.4	988	3	US-09-270-767-15847	Sequence 15847, A	227	14	26.4	3509	3	US-09-866-153-12	Sequence 12, Appl
C 155	14	26.4	988	3	US-09-270-767-11742	Sequence 11742, A	228	14	26.4	3509	3	US-09-693-467A-12	Sequence 12, Appl
C 156	14	26.4	1001	3	US-09-671-317-84	Sequence 84, Appl1	229	14	26.4	3509	3	US-09-270-976-12	Sequence 12, Appl
C 157	14	26.4	1045	3	US-09-270-767-12414	Sequence 12414, A	230	14	26.4	3509	3	US-08-429-053-12	Sequence 12, Appl
C 158	14	26.4	1050	3	US-09-252-991A-4287	Sequence 4287, Ap	231	14	26.4	3509	8	US-09-333-941-6	Sequence 6, Appl1
C 159	14	26.4	1052	3	US-10-101-464A-843	Sequence 843, App	232	14	26.4	3840	3	US-09-489-039A-6431	Sequence 6431, App
C 160	14	26.4	1065	3	US-09-758-759-72	Sequence 72, Appl1	233	14	26.4	3934	3	US-09-813-453B-77	Sequence 77, Appl
C 161	14	26.4	1091	3	US-09-620-312D-660	Sequence 660, App	234	14	26.4	4615	2	US-08-188-582-1	Sequence 1, Appl1
C 162	14	26.4	1167	3	US-09-252-991A-14037	Sequence 14037, A	235	14	26.4	4615	2	US-08-646-715-1	Sequence 1, Appl1
C 163	14	26.4	1167	3	US-09-799-451-645	Sequence 645, App	236	14	26.4	8378	6	PCT-US91-09055-1	Sequence 1, Appl1
C 164	14	26.4	1182	3	US-09-252-991A-520	Sequence 520, App	C 237	14	26.4	22761	3	US-09-902-540-1219	Sequence 1219, App
C 165	14	26.4	1194	3	US-09-902-540-5572	Sequence 5572, App	C 238	14	26.4	23276	3	US-09-949-016-15461	Sequence 15461, A
C 166	14	26.4	1212	3	US-09-489-039A-3850	Sequence 3850, App	C 239	14	26.4	29559	3	US-09-902-540-1254	Sequence 1254, App
C 167	14	26.4	1254	3	US-09-252-991A-415	Sequence 415, App	240	14	26.4	31197	3	US-09-949-016-12963	Sequence 12963, A
C 168	14	26.4	1299	3	US-09-252-991A-496	Sequence 496, App	241	14	26.4	38346	3	US-09-949-016-14502	Sequence 14502, A
C 169	14	26.4	1330	3	US-08-868-288A-4	Sequence 4, Appl1	C 242	14	26.4	41927	3	US-09-902-540-1268	Sequence 1268, App
C 170	14	26.4	1330	3	US-09-235-373-4	Sequence 4, Appl1	C 243	14	26.4	49301	3	US-09-949-016-16296	Sequence 16296, App

C 244	14	26.4	57978	3	US-09-949-016-16667	Sequence 16667, A	317	13	24.5	513	3	US-09-252-991A-11995	Sequence 11995, A
C 245	14	26.4	70563	3	US-09-949-016-16743	Sequence 16743, A	318	13	24.5	515	3	US-09-702-705-1318	Sequence 1318, Ap
C 246	14	26.4	102409	3	US-09-949-016-15148	Sequence 15148, A	319	13	24.5	515	3	US-09-736-457-1318	Sequence 1318, Ap
C 247	14	26.4	103934	3	US-09-949-016-14433	Sequence 14433, A	320	13	24.5	515	3	US-09-614-124B-1318	Sequence 1318, Ap
C 248	14	26.4	108440	3	US-09-949-016-12065	Sequence 12065, A	321	13	24.5	515	3	US-09-671-325-1318	Sequence 1318, Ap
C 249	14	26.4	108441	3	US-09-949-016-14090	Sequence 14090, A	322	13	24.5	515	3	US-09-658-824-1318	Sequence 1318, Ap
C 250	14	26.4	109519	3	US-09-758-759-1	Sequence 1, Appl1	323	13	24.5	515	3	US-10-017-754-1318	Sequence 1318, Ap
C 251	14	26.4	117001	3	US-09-949-016-15684	Sequence 15684, A	324	13	24.5	522	3	US-09-651-563-1318	Sequence 1318, Ap
C 252	14	26.4	134434	3	US-09-949-016-17362	Sequence 17362, A	325	13	24.5	522	3	US-09-252-991A-377	Sequence 377, App
C 253	14	26.4	229354	3	US-09-705-400-64	Sequence 64, Appl	326	13	24.5	522	3	US-09-902-540-4590	Sequence 4590, Ap
C 254	13	24.5	71	3	US-08-952-793-294	Sequence 294, App	327	13	24.5	538	3	US-09-621-976-18226	Sequence 18226, A
C 255	13	24.5	71	6	PCT-US96-09455A-294	Sequence 294, App	328	13	24.5	539	3	US-09-533-559-7627	Sequence 7627, Ap
C 256	13	24.5	71	6	PCT-US96-09455A-294	Sequence 294, App	329	13	24.5	540	2	US-08-954-470-3	Sequence 3, Appl1
C 257	13	24.5	107	3	US-09-902-540-1345	Sequence 1345, Ap	330	13	24.5	540	2	US-09-129-855A-3	Sequence 3, Appl1
C 258	13	24.5	123	3	US-08-956-171E-4792	Sequence 4792, Ap	331	13	24.5	540	3	US-09-427-154-3	Sequence 3, Appl1
C 259	13	24.5	123	3	US-08-781-986A-4792	Sequence 4792, Ap	332	13	24.5	540	3	US-09-480-718-3	Sequence 3, Appl1
C 260	13	24.5	135	3	US-09-270-767-25184	Sequence 25184, A	333	13	24.5	540	3	US-09-610-833-3	Sequence 3, Appl1
C 261	13	24.5	139	3	US-09-313-294A-6958	Sequence 6958, Ap	334	13	24.5	540	3	US-09-610-833-3	Sequence 3, Appl1
C 262	13	24.5	223	3	US-09-056-556-222	Sequence 222, App	335	13	24.5	540	3	US-09-129-855A-3	Sequence 3, Appl1
C 263	13	24.5	223	3	US-09-072-596-217	Sequence 217, App	336	13	24.5	551	3	US-09-270-767-26200	Sequence 26200, A
C 264	13	24.5	223	3	US-09-072-967-222	Sequence 222, App	337	13	24.5	561	3	US-09-252-991A-391	Sequence 391, App
C 265	13	24.5	223	3	US-10-193-002-217	Sequence 217, App	338	13	24.5	561	3	US-09-489-039A-5236	Sequence 5236, App
C 266	13	24.5	223	3	US-10-084-843-222	Sequence 222, App	339	13	24.5	571	3	US-09-594-506-1	Sequence 1, Appl1
C 267	13	24.5	252	3	US-09-513-999C-14434	Sequence 14434, A	340	13	24.5	573	4	US-09-605-702B-1331	Sequence 1331, Ap
C 268	13	24.5	259	3	US-09-640-211A-1328	Sequence 1328, Ap	341	13	24.5	577	4	US-09-615-192A-97	Sequence 97, Appl
C 269	13	24.5	261	3	US-09-513-999C-10435	Sequence 10435, A	342	13	24.5	577	3	US-09-169-789-97	Sequence 97, Appl
C 270	13	24.5	265	3	US-09-313-294A-141	Sequence 141, App	343	13	24.5	585	4	US-09-605-702B-1987	Sequence 1987, Ap
C 271	13	24.5	284	3	US-09-313-294A-5088	Sequence 5088, Ap	344	13	24.5	588	3	US-09-724-797-45	Sequence 45, Appl
C 272	13	24.5	292	3	US-08-956-171E-4430	Sequence 4430, Ap	345	13	24.5	590	3	US-09-270-767-1572	Sequence 1572, Ap
C 273	13	24.5	292	3	US-08-781-986A-4430	Sequence 4430, Ap	346	13	24.5	590	3	US-09-270-767-16854	Sequence 16854, A
C 274	13	24.5	294	3	US-09-252-991A-3788	Sequence 3788, Ap	347	13	24.5	601	3	US-09-949-016-20835	Sequence 20835, A
C 275	13	24.5	300	3	US-09-902-540-8170	Sequence 8170, Ap	348	13	24.5	601	3	US-09-949-016-25846	Sequence 25846, A
C 276	13	24.5	305	3	US-09-313-294A-7108	Sequence 7108, Ap	349	13	24.5	601	3	US-09-849-016-32543	Sequence 32543, A
C 277	13	24.5	312	3	US-09-489-039A-2879	Sequence 2879, Ap	350	13	24.5	601	3	US-09-949-016-33544	Sequence 33544, A
C 278	13	24.5	316	3	US-09-313-294A-3850	Sequence 3850, Ap	351	13	24.5	601	3	US-09-949-016-41916	Sequence 41916, A
C 279	13	24.5	319	3	US-09-328-111-522	Sequence 522, App	352	13	24.5	601	3	US-09-949-016-47401	Sequence 47401, A
C 280	13	24.5	338	2	US-08-451-472-53	Sequence 53, Appl	353	13	24.5	601	3	US-09-949-016-55369	Sequence 55369, A
C 281	13	24.5	345	3	US-09-328-111-57	Sequence 57, Appl	354	13	24.5	601	3	US-09-849-016-55726	Sequence 55726, A
C 282	13	24.5	372	3	US-09-543-681A-647	Sequence 647, App	355	13	24.5	601	3	US-09-949-016-110100	Sequence 110100, A
C 283	13	24.5	377	3	US-09-280-116-41	Sequence 41, Appl	356	13	24.5	601	3	US-09-949-016-110101	Sequence 110101, A
C 284	13	24.5	387	3	US-09-621-976-17233	Sequence 17233, A	357	13	24.5	601	3	US-09-949-016-115136	Sequence 115136, A
C 285	13	24.5	388	3	US-09-023-655-494	Sequence 494, App	358	13	24.5	601	3	US-09-949-016-117905	Sequence 117905, A
C 286	13	24.5	388	3	US-09-270-767-6847	Sequence 6847, Ap	359	13	24.5	601	3	US-09-949-016-117957	Sequence 117957, A
C 287	13	24.5	388	3	US-09-270-767-22129	Sequence 22129, A	360	13	24.5	601	3	US-09-949-016-117957	Sequence 117957, A
C 288	13	24.5	394	3	US-09-513-999C-11669	Sequence 11669, A	361	13	24.5	601	3	US-09-849-016-118009	Sequence 118009, A
C 289	13	24.5	400	3	US-08-956-171E-3724	Sequence 3724, Ap	362	13	24.5	601	3	US-09-949-016-118061	Sequence 118061, A
C 290	13	24.5	400	3	US-08-956-171E-4065	Sequence 4065, Ap	363	13	24.5	601	3	US-09-949-016-121429	Sequence 121429, A
C 291	13	24.5	400	3	US-08-781-986A-3724	Sequence 3724, Ap	364	13	24.5	601	3	US-09-949-016-121618	Sequence 121618, A
C 292	13	24.5	400	3	US-08-781-986A-4065	Sequence 4065, Ap	365	13	24.5	601	3	US-09-949-016-125070	Sequence 125070, A
C 293	13	24.5	406	3	US-09-270-767-7083	Sequence 7083, Ap	366	13	24.5	601	3	US-09-949-016-125122	Sequence 125122, A
C 294	13	24.5	406	3	US-09-270-767-22365	Sequence 22365, A	367	13	24.5	601	3	US-09-949-016-125174	Sequence 125174, A
C 295	13	24.5	409	3	US-09-621-976-18228	Sequence 18228, A	368	13	24.5	601	3	US-09-949-016-125226	Sequence 125226, A
C 296	13	24.5	415	3	US-09-621-976-17292	Sequence 17292, A	369	13	24.5	601	3	US-09-949-016-163241	Sequence 163241, A
C 297	13	24.5	416	3	US-09-513-999C-2965	Sequence 2965, Ap	370	13	24.5	601	3	US-09-949-016-163241	Sequence 163241, A
C 298	13	24.5	417	3	US-09-252-991A-448	Sequence 448, App	371	13	24.5	601	3	US-09-949-016-168242	Sequence 168242, A
C 299	13	24.5	417	3	US-09-621-976-18473	Sequence 18473, A	372	13	24.5	601	3	US-09-949-016-168243	Sequence 168243, A
C 300	13	24.5	429	3	US-09-902-540-5193	Sequence 5193, App	373	13	24.5	601	3	US-09-849-016-174068	Sequence 174068, A
C 301	13	24.5	444	3	US-09-252-991A-6661	Sequence 6661, Ap	374	13	24.5	601	3	US-09-949-016-174069	Sequence 174069, A
C 302	13	24.5	447	3	US-08-836-075A-19	Sequence 19, Appl	375	13	24.5	601	3	US-09-949-016-182302	Sequence 182302, A
C 303	13	24.5	447	3	US-09-252-991A-11967	Sequence 11967, A	376	13	24.5	601	3	US-09-949-016-184843	Sequence 184843, A
C 304	13	24.5	448	3	US-09-270-767-11838	Sequence 11838, A	377	13	24.5	601	3	US-09-949-016-184844	Sequence 184844, A
C 305	13	24.5	450	3	US-09-252-991A-3517	Sequence 3517, Ap	378	13	24.5	601	3	US-09-949-016-184998	Sequence 184998, A
C 306	13	24.5	458	3	US-09-621-976-13085	Sequence 13085, A	379	13	24.5	601	3	US-09-949-016-184999	Sequence 184999, A
C 307	13	24.5	461	3	US-09-621-976-13085	Sequence 13085, A	380	13	24.5	601	3	US-09-949-016-190364	Sequence 190364, A
C 308	13	24.5	464	3	US-08-990-823-48	Sequence 48, Appl	381	13	24.5	601	3	US-09-949-016-192494	Sequence 192494, A
C 309	13	24.5	464	3	US-09-477-135A-48	Sequence 48, Appl	382	13	24.5	601	3	US-09-949-016-196115	Sequence 196115, A
C 310	13	24.5	470	3	US-09-270-767-7920	Sequence 7920, Ap	383	13	24.5	601	3	US-09-949-016-196116	Sequence 196116, A
C 311	13	24.5	480	3	US-09-252-991A-13670	Sequence 13670, A	384	13	24.5	601	3	US-09-252-991A-13282	Sequence 13282, A
C 312	13	24.5	480	3	US-09-252-991A-13670	Sequence 13670, A	385	13	24.5	609	3	US-09-328-352-37	Sequence 37, Appl
C 313	13	24.5	482	3	US-09-270-767-9384	Sequence 9384, Ap	386	13	24.5	624	2	US-08-713-000-9	Sequence 9, Appl1
C 314	13	24.5	482	3	US-09-270-767-2466	Sequence 24666, A	387	13	24.5	624	2	US-08-975-316-9	Sequence 9, Appl1
C 315	13	24.5	485	3	US-09-513-999C-10433	Sequence 10433, A	388	13	24.5	624	2	US-09-211-710-9	Sequence 9, Appl1
C 316	13	24.5	492	3	US-09-621-976-3472	Sequence 3472, Ap	389	13	24.5	624	3		

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C 391	13	24.5	624	3	US-09-169-789-9	Sequence 9, Appl1	464	13	24.5	907	3	US-09-591-500A-15	Sequence 15, Appl1
C 392	13	24.5	632	3	US-09-533-559-576	Sequence 576, App	465	13	24.5	907	3	US-09-591-500A-17	Sequence 17, Appl1
C 393	13	24.5	641	3	US-09-621-976-18227	Sequence 18227, A	466	13	24.5	907	3	US-09-591-500A-18	Sequence 18, Appl1
C 394	13	24.5	649	3	US-09-669-751-238	Sequence 238, App	467	13	24.5	907	3	US-09-591-500A-21	Sequence 21, Appl1
C 395	13	24.5	652	3	US-09-270-767-28854	Sequence 28854, A	468	13	24.5	907	3	US-09-591-500A-22	Sequence 22, Appl1
C 396	13	24.5	658	3	US-09-533-559-4800	Sequence 4800, Ap	469	13	24.5	907	3	US-09-591-500A-23	Sequence 23, Appl1
C 397	13	24.5	664	3	US-09-533-559-5140	Sequence 5140, Ap	470	13	24.5	907	3	US-09-591-500A-24	Sequence 24, Appl1
C 398	13	24.5	677	3	US-09-533-559-5544	Sequence 5544, Ap	471	13	24.5	908	3	US-09-591-500A-14	Sequence 14, Appl1
C 399	13	24.5	678	3	US-09-252-991A-12075	Sequence 12075, A	472	13	24.5	908	3	US-09-591-500A-25	Sequence 25, Appl1
C 400	13	24.5	683	3	US-09-533-559-910	Sequence 910, App	473	13	24.5	912	3	US-09-252-991A-1313	Sequence 1313, A
C 401	13	24.5	684	2	US-08-975-316-45	Sequence 45, Appl	474	13	24.5	916	3	US-09-270-767-5259	Sequence 5259, Ap
C 402	13	24.5	684	3	US-09-615-192A-45	Sequence 45, Appl	475	13	24.5	916	3	US-09-270-767-20551	Sequence 20551, A
C 403	13	24.5	684	3	US-09-169-789-45	Sequence 45, Appl	476	13	24.5	924	3	US-09-105-390-33	Sequence 33, Appl1
C 404	13	24.5	689	3	US-09-861-893-35	Sequence 35, Appl	477	13	24.5	924	3	US-09-949-016-2022	Sequence 2022, Ap
C 405	13	24.5	690	3	US-09-252-991A-11336	Sequence 11336, A	478	13	24.5	927	3	US-09-252-991A-15168	Sequence 15168, A
C 406	13	24.5	693	3	US-09-252-991A-2214	Sequence 2214, Ap	479	13	24.5	934	3	US-09-533-559-465	Sequence 465, App
C 407	13	24.5	693	3	US-09-533-559-4854	Sequence 4854, Ap	480	13	24.5	938	3	US-09-205-258-211	Sequence 211, App
C 408	13	24.5	698	3	US-09-533-559-7492	Sequence 7492, Ap	481	13	24.5	938	3	US-10-004-860-211	Sequence 211, App
C 409	13	24.5	699	3	US-09-252-991A-575	Sequence 575, App	482	13	24.5	939	3	US-09-393-634-52	Sequence 52, Appl
C 410	13	24.5	708	3	US-09-252-991A-5704	Sequence 5704, Ap	483	13	24.5	942	3	US-09-252-991A-8659	Sequence 8659, Ap
C 411	13	24.5	718	3	US-09-533-559-7442	Sequence 7442, Ap	484	13	24.5	951	3	US-09-533-559-7188	Sequence 7188, Ap
C 412	13	24.5	741	3	US-09-533-559-7011	Sequence 7011, Ap	485	13	24.5	978	3	US-09-489-039A-1050	Sequence 1050, Ap
C 413	13	24.5	744	3	US-09-252-991A-16151	Sequence 16151, A	486	13	24.5	980	2	US-08-466-603-3	Sequence 3, Appl1
C 414	13	24.5	749	3	US-09-533-559-7439	Sequence 7439, Ap	487	13	24.5	980	2	US-08-314-503A-3	Sequence 3, Appl1
C 415	13	24.5	750	3	US-09-150-976B-18	Sequence 18, Appl	488	13	24.5	980	2	US-08-468-066-3	Sequence 3, Appl1
C 416	13	24.5	754	3	US-09-902-540-1455	Sequence 1455, Ap	489	13	24.5	980	2	US-08-466-717-3	Sequence 3, Appl1
C 417	13	24.5	759	2	US-08-466-603-4	Sequence 4, Appl1	490	13	24.5	980	3	US-08-466-717-3	Sequence 3, Appl1
C 418	13	24.5	759	2	US-08-314-503A-4	Sequence 4, Appl1	491	13	24.5	980	6	PCT-US95-12414-3	Sequence 3, Appl1
C 419	13	24.5	759	2	US-08-468-066-4	Sequence 4, Appl1	492	13	24.5	980	3	US-09-270-767-11263	Sequence 11263, A
C 420	13	24.5	759	2	US-08-466-717-4	Sequence 4, Appl1	493	13	24.5	990	3	US-09-252-991A-9415	Sequence 9415, Ap
C 421	13	24.5	759	2	US-08-466-743-4	Sequence 4, Appl1	494	13	24.5	993	3	US-09-489-039A-5422	Sequence 5422, Ap
C 422	13	24.5	759	6	PCT-US95-12414-4	Sequence 4, Appl1	495	13	24.5	999	3	US-09-489-039A-5422	Sequence 203, App
C 423	13	24.5	771	6	PCT-US95-12987-1	Sequence 1, Appl1	496	13	24.5	1001	3	US-09-641-638-318	Sequence 318, App
C 424	13	24.5	771	6	PCT-US95-12987-3	Sequence 3, Appl1	497	13	24.5	1001	3	US-10-170-097-318	Sequence 318, App
C 425	13	24.5	774	6	PCT-US95-12987-5	Sequence 5, Appl1	498	13	24.5	1002	3	US-09-533-559-4766	Sequence 4766, Ap
C 426	13	24.5	774	3	US-09-252-991A-11893	Sequence 11893, A	499	13	24.5	1002	3	US-09-252-991A-1024	Sequence 1024, Ap
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C 428	13	24.5	779	3	US-08-659-188-9	Sequence 9, Appl1	501	13	24.5	1023	3	US-09-902-540-4112	Sequence 4112, Ap
C 429	13	24.5	779	3	US-08-655-227-9	Sequence 9, Appl1	502	13	24.5	1030	3	US-09-651-656-28	Sequence 28, Appl1
C 430	13	24.5	779	3	US-08-655-241-9	Sequence 9, Appl1	503	13	24.5	1030	3	US-09-650-855-28	Sequence 28, Appl1
C 431	13	24.5	779	3	US-09-149-976-9	Sequence 9, Appl1	504	13	24.5	1035	3	US-09-105-390-49	Sequence 49, Appl1
C 432	13	24.5	779	3	US-09-358-326-9	Sequence 9, Appl1	505	13	24.5	1041	3	US-09-902-540-2592	Sequence 2592, Ap
C 433	13	24.5	779	3	US-09-853-450-9	Sequence 9, Appl1	506	13	24.5	1052	2	US-08-466-603-1	Sequence 1, Appl1
C 434	13	24.5	780	2	US-08-439-962-1	Sequence 1, Appl1	507	13	24.5	1052	2	US-08-314-503A-1	Sequence 1, Appl1
C 435	13	24.5	780	2	US-08-497-535-1	Sequence 1, Appl1	508	13	24.5	1052	2	US-08-468-066-1	Sequence 1, Appl1
C 436	13	24.5	780	2	US-09-098-317-1	Sequence 1, Appl1	509	13	24.5	1052	2	US-08-466-717-1	Sequence 1, Appl1
C 437	13	24.5	780	3	US-09-323-555B-1	Sequence 1, Appl1	510	13	24.5	1052	3	US-08-466-743-1	Sequence 1, Appl1
C 438	13	24.5	780	3	US-09-252-991A-12045	Sequence 12045, A	511	13	24.5	1052	3	US-09-591-500A-3	Sequence 3, Appl1
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C 440	13	24.5	795	3	US-10-101-464A-296	Sequence 296, App	513	13	24.5	1062	3	US-09-252-991A-8372	Sequence 8372, Ap
C 441	13	24.5	795	3	US-09-788-657-14	Sequence 14, Appl	514	13	24.5	1071	3	US-09-199-637A-322	Sequence 322, App
C 442	13	24.5	795	3	US-10-641-068-14	Sequence 14, Appl	515	13	24.5	1071	3	US-09-252-991A-4866	Sequence 4866, Ap
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C 444	13	24.5	801	3	US-09-252-991A-3378	Sequence 3378, Ap	517	13	24.5	1086	3	US-09-270-767-2167	Sequence 2167, Ap
C 445	13	24.5	818	3	US-09-270-767-8864	Sequence 8864, Ap	518	13	24.5	1107	3	US-09-270-767-6367	Sequence 6367, A
C 446	13	24.5	818	3	US-09-270-767-24146	Sequence 24146, A	519	13	24.5	1107	3	US-09-252-991A-16449	Sequence 16449, A
C 447	13	24.5	819	3	US-09-252-991A-3708	Sequence 3708, Ap	520	13	24.5	1107	3	US-09-248-796A-5692	Sequence 5692, Ap
C 448	13	24.5	828	3	US-09-902-540-8727	Sequence 8727, Ap	521	13	24.5	1110	3	US-09-342-143-1	Sequence 1, Appl1
C 449	13	24.5	858	3	US-09-902-540-2086	Sequence 2086, Ap	522	13	24.5	1110	3	US-09-924-439-1	Sequence 1, Appl1
C 450	13	24.5	860	3	US-09-533-559-2974	Sequence 2974, Ap	523	13	24.5	1110	3	US-09-999-170-3	Sequence 3, Appl1
C 451	13	24.5	873	4	US-09-605-703B-1329	Sequence 1329, App	524	13	24.5	1131	2	US-08-474-177-13	Sequence 13, Appl1
C 452	13	24.5	897	4	US-09-252-991A-3337	Sequence 3337, Ap	525	13	24.5	1131	2	US-08-467-033-13	Sequence 13, Appl1
C 453	13	24.5	898	2	US-08-997-080-185	Sequence 185, App	526	13	24.5	1131	2	US-08-480-810-13	Sequence 13, Appl1
C 454	13	24.5	898	2	US-08-997-362-185	Sequence 185, App	527	13	24.5	1131	2	US-08-508-735-13	Sequence 13, Appl1
C 455	13	24.5	898	2	US-09-095-855-185	Sequence 185, App	528	13	24.5	1131	2	US-08-848-251-13	Sequence 13, Appl1
C 456	13	24.5	898	3	US-09-324-542-185	Sequence 185, App	529	13	24.5	1131	2	US-08-466-047-13	Sequence 13, Appl1
C 457	13	24.5	898	3	US-09-205-426-185	Sequence 185, App	530	13	24.5	1131	2	US-09-120-130-13	Sequence 13, Appl1
C 458	13	24.5	902	3	US-09-270-767-14371	Sequence 14371, A	531	13	24.5	1131	3	US-09-115-252-13	Sequence 13, Appl1
C 459	13	24.5	906	3	US-09-591-500A-7	Sequence 7, Appl1	532	13	24.5	1131	3	US-08-986-515-13	Sequence 13, Appl1
C 460	13	24.5	907	3	US-09-591-500A-8	Sequence 8, Appl1	533	13	24.5	1131	3	US-09-120-128-13	Sequence 13, Appl1
C 461	13	24.5	907	3	US-09-591-500A-10	Sequence 10, Appl	534	13	24.5	1131	3	US-09-120-129-13	Sequence 13, Appl1
C 462	13	24.5	907	3	US-09-591-500A-12	Sequence 12, Appl	535	13	24.5	1131	3	US-09-201-139-13	Sequence 13, Appl1

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539	13	24.5	1140	3	US-09-222-594-7	Sequence 7, Appl	C 612	13	24.5	1509	3	US-09-252-991A-3614	Sequence 3614, Ap
C 540	13	24.5	1140	3	US-09-977-653-7	Sequence 7, Appl	C 613	13	24.5	1509	3	US-09-252-991A-14669	Sequence 14669, A
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543	13	24.5	1188	3	US-09-252-991A-936	Sequence 936, App	C 616	13	24.5	1524	9	US-09-252-991A-3746	Sequence 3746, A
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C 545	13	24.5	1211	3	US-09-829-931-1	Sequence 1, Appl	C 618	13	24.5	1535	3	US-09-964-956-14	Sequence 14, Appl
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C 547	13	24.5	1224	3	US-09-252-991A-7567	Sequence 7567, Ap	C 620	13	24.5	1549	2	US-08-865-597A-1	Sequence 1, Appl
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549	13	24.5	1237	2	US-08-808-793-26	Sequence 26, Appl	C 622	13	24.5	1580	3	US-09-270-767-13415	Sequence 13415, A
C 550	13	24.5	1242	3	US-09-270-767-12977	Sequence 12977, A	C 623	13	24.5	1590	3	US-09-139-637A-330	Sequence 320, App
551	13	24.5	1245	3	US-09-270-767-9887	Sequence 9887, Ap	C 624	13	24.5	1590	3	US-09-252-991A-14854	Sequence 4854, Ap
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C 554	13	24.5	1260	2	US-08-466-906B-3	Sequence 3, Appl	C 627	13	24.5	1603	2	US-08-298-687A-19	Sequence 19, Appl
C 555	13	24.5	1260	3	US-08-706-281A-3	Sequence 3, Appl	C 628	13	24.5	1603	2	US-08-298-829-19	Sequence 19, Appl
C 556	13	24.5	1260	3	US-09-201-746-3	Sequence 3, Appl	C 629	13	24.5	1608	3	US-09-949-016-5737	Sequence 5737, Ap
C 557	13	24.5	1260	3	US-09-097-231-3	Sequence 3, Appl	C 630	13	24.5	1611	3	US-09-802-540-5836	Sequence 5836, Ap
C 558	13	24.5	1260	3	US-09-353-099-3	Sequence 3, Appl	C 631	13	24.5	1612	3	US-09-302-540-128	Sequence 128, App
559	13	24.5	1265	3	US-09-949-016-1386	Sequence 1386, Ap	C 632	13	24.5	1638	2	US-08-838-2199-8	Sequence 8, Appl
C 560	13	24.5	1268	2	US-08-403-852D-2	Sequence 2, Appl	C 633	13	24.5	1638	3	US-08-333-553-1	Sequence 1, Appl
C 561	13	24.5	1268	3	US-08-510-646B-2	Sequence 2, Appl	C 634	13	24.5	1638	3	US-09-233-336A-8	Sequence 8, Appl
C 562	13	24.5	1268	3	US-09-221-818-2	Sequence 2, Appl	C 635	13	24.5	1638	3	US-09-233-752A-8	Sequence 8, Appl
C 563	13	24.5	1268	3	US-09-635-359B-2	Sequence 2, Appl	C 636	13	24.5	1638	3	US-09-078-173A-12	Sequence 12, Appl
C 564	13	24.5	1268	3	US-08-765-268A-2	Sequence 2, Appl	C 637	13	24.5	1638	3	US-09-418-222-1	Sequence 1, Appl
565	13	24.5	1278	2	US-08-765-268A-2	Sequence 154, App	C 638	13	24.5	1638	3	US-09-402-036-8	Sequence 8, Appl
566	13	24.5	1283	3	US-09-949-016-154	Sequence 154, App	C 639	13	24.5	1638	3	US-09-402-036-8	Sequence 8, Appl
567	13	24.5	1294	3	US-09-949-016-1618	Sequence 1618, Ap	C 640	13	24.5	1638	3	US-09-904-226-8	Sequence 12, Appl
568	13	24.5	1299	2	US-08-904-278-5	Sequence 1, Appl	C 641	13	24.5	1641	3	US-10-042-991-12	Sequence 6720, Ap
569	13	24.5	1299	3	US-09-222-594-5	Sequence 5, Appl	C 642	13	24.5	1641	3	US-09-252-991A-6720	Sequence 413, App
570	13	24.5	1299	3	US-09-977-653-5	Sequence 5, Appl	C 643	13	24.5	1668	3	US-09-252-991A-15085	Sequence 15085, A
C 571	13	24.5	1305	3	US-09-252-991A-8409	Sequence 8409, Ap	C 644	13	24.5	1669	3	US-09-302-540-13010	Sequence 4, Appl
572	13	24.5	1321	3	US-09-270-767-1680	Sequence 1680, Ap	C 645	13	24.5	1669	3	US-07-791-936A-4	Sequence 4, Appl
C 573	13	24.5	1321	3	US-09-270-767-1682	Sequence 1682, A	C 646	13	24.5	1681	2	US-08-383-936A-3	Sequence 3, Appl
C 574	13	24.5	1321	3	US-09-252-991A-13579	Sequence 13579, A	C 647	13	24.5	1683	2	US-07-791-936A-3	Sequence 3, Appl
C 575	13	24.5	1326	3	US-09-221-017B-1052	Sequence 1052, Ap	C 648	13	24.5	1683	2	US-08-383-936A-3	Sequence 3, Appl
C 576	13	24.5	1331	3	US-09-902-540-6759	Sequence 6, Appl	C 649	13	24.5	1710	3	US-09-448-796A-6146	Sequence 6146, Ap
577	13	24.5	1362	3	US-09-470-512A-6	Sequence 6, Appl	C 650	13	24.5	1719	3	US-10-029-180-1	Sequence 1, Appl
C 578	13	24.5	1364	3	US-09-095-855-204	Sequence 204, App	C 651	13	24.5	1769	2	US-08-765-268A-1	Sequence 1, Appl
C 579	13	24.5	1364	3	US-09-205-426-204	Sequence 204, App	C 652	13	24.5	1769	2	US-10-104-047-678	Sequence 678, App
580	13	24.5	1365	3	US-09-252-991A-12145	Sequence 12145, A	C 653	13	24.5	1785	3	US-09-788-657-13	Sequence 13, Appl
C 581	13	24.5	1380	3	US-09-533-559-101	Sequence 101, App	C 654	13	24.5	1785	3	US-10-641-068-13	Sequence 13, Appl
582	13	24.5	1386	3	US-09-252-991A-12052	Sequence 12052, A	C 655	13	24.5	1797	3	US-10-197-220-27	Sequence 27, Appl
C 583	13	24.5	1404	3	US-09-902-540-9240	Sequence 9240, Ap	C 656	13	24.5	1842	3	US-09-252-991A-6583	Sequence 6583, Ap
C 584	13	24.5	1405	3	US-09-594-506-41	Sequence 21, Appl	C 657	13	24.5	1845	3	US-09-029-603-5	Sequence 5, Appl
585	13	24.5	1410	3	US-09-252-991A-16339	Sequence 16339, A	C 658	13	24.5	1857	3	US-09-620-312D-455	Sequence 455, App
586	13	24.5	1416	3	US-09-248-796A-890	Sequence 890, App	C 659	13	24.5	1880	3	US-09-252-991A-11961	Sequence 11961, A
587	13	24.5	1422	3	US-09-252-991A-8471	Sequence 8471, Ap	C 660	13	24.5	1889	2	US-08-443-104-6	Sequence 6, Appl
C 588	13	24.5	1423	2	US-07-829-954-1	Sequence 1, Appl	C 661	13	24.5	1899	2	US-08-442-859-6	Sequence 6, Appl
C 589	13	24.5	1423	2	US-07-994-423-1	Sequence 1, Appl	C 662	13	24.5	1899	2	US-08-398-489-6	Sequence 6, Appl
590	13	24.5	1423	2	US-08-421-891-1	Sequence 1, Appl	C 663	13	24.5	1899	6	PCT-US95-05533-6	Sequence 6, Appl
591	13	24.5	1428	2	US-08-904-278-3	Sequence 3, Appl	C 664	13	24.5	1908	3	US-09-252-991A-3727	Sequence 3727, Ap
592	13	24.5	1428	2	US-09-222-594-3	Sequence 3, Appl	C 665	13	24.5	1980	3	US-09-252-991A-9442	Sequence 9442, Ap
593	13	24.5	1428	3	US-09-711-164-332	Sequence 232, App	C 666	13	24.5	2001	3	US-09-252-991A-9442	Sequence 483, App
594	13	24.5	1428	3	US-09-977-653-3	Sequence 3, Appl	C 667	13	24.5	2006	3	US-09-354-123-5	Sequence 5, Appl
C 595	13	24.5	1433	3	US-10-197-220-34	Sequence 34, Appl	C 668	13	24.5	2022	3	US-09-252-991A-9991	Sequence 9991, Ap
C 596	13	24.5	1433	3	US-09-252-991A-522	Sequence 52, App	C 669	13	24.5	2022	3	US-09-799-451-671	Sequence 671, App
C 597	13	24.5	1437	3	US-09-252-991A-11825	Sequence 11825, A	C 670	13	24.5	2034	3	US-08-464-601-1	Sequence 1, Appl
C 598	13	24.5	1437	3	US-09-252-991A-14675	Sequence 14675, A	C 671	13	24.5	2034	3	US-09-210-993A-1	Sequence 1, Appl
C 599	13	24.5	1437	3	US-09-902-540-8578	Sequence 8578, Ap	C 672	13	24.5	2034	3	US-09-339-973-1	Sequence 1, Appl
C 600	13	24.5	1440	3	US-09-270-767-12289	Sequence 12289, A	C 673	13	24.5	2034	3	US-10-177-158-1	Sequence 1, Appl
C 601	13	24.5	1446	3	US-09-252-991A-2461	Sequence 2461, Ap	C 674	13	24.5	2037	3	US-09-252-991A-3631	Sequence 3631, Ap
C 602	13	24.5	1446	3	US-09-248-796A-590	Sequence 590, App	C 675	13	24.5	2038	3	US-09-270-767-12435	Sequence 12435, A
C 603	13	24.5	1452	3	US-09-252-991A-14794	Sequence 14794, A	C 676	13	24.5	2041	3	US-09-073-009-105	Sequence 105, App
C 604	13	24.5	1458	3	US-09-252-991A-599	Sequence 599, App	C 677	13	24.5	2041	3	US-09-073-010-105	Sequence 105, App
C 605	13	24.5	1461	3	US-09-252-991A-7765	Sequence 7765, App	C 678	13	24.5	2052	2	US-08-443-104-5	Sequence 5, Appl
C 606	13	24.5	1482	3	US-08-660-645A-6	Sequence 6, Appl	C 679	13	24.5	2052	2	US-08-238-130-6	Sequence 6, Appl
C 607	13	24.5	1482	3	US-09-298-718-6	Sequence 6, Appl	C 680	13	24.5	2052	2	US-08-442-859-5	Sequence 5, Appl
C 608	13	24.5	1482	3	US-09-546-969-6	Sequence 6, Appl	C 681	13	24.5	2052	2	US-08-398-489-5	Sequence 5, Appl

C 682	13	24.5	2052	2	US-08-894-772-1	Sequence 1, Appl1	755	13	24.5	3159	3	US-09-437-054A-7	Sequence 7, Appl1
C 683	13	24.5	2052	2	US-09-207-844-1	Sequence 1, Appl1	756	13	24.5	3201	3	US-09-270-767-10572	Sequence 10572, A
C 684	13	24.5	2052	3	US-09-252-509-1	Sequence 1, Appl1	757	13	24.5	3209	3	US-09-270-767-14385	Sequence 14385, A
C 685	13	24.5	2052	6	PCT-US95-05534-5	Sequence 5, Appl1	758	13	24.5	3301	3	US-09-148-545-66	Sequence 66, Appl1
C 686	13	24.5	2080	3	US-09-902-540-1092	Sequence 7092, Ap	759	13	24.5	3301	3	US-09-621-011-66	Sequence 66, Appl1
C 687	13	24.5	2085	3	US-10-104-047-1053	Sequence 1053, Ap	760	13	24.5	3326	3	US-09-902-540-550	Sequence 550, Appl
C 688	13	24.5	2094	3	US-09-270-767-10053	Sequence 10053, A	761	13	24.5	3352	3	US-09-774-528-154	Sequence 154, Appl
C 689	13	24.5	2102	3	US-09-318-448-19	Sequence 10, Appl	762	13	24.5	3352	3	US-10-120-988-154	Sequence 154, Appl
C 690	13	24.5	2102	3	US-09-577-266-19	Sequence 19, Appl	763	13	24.5	3475	3	US-09-657-481A-10	Sequence 47, Appl1
C 691	13	24.5	2105	3	US-09-620-312D-877	Sequence 877, Appl	764	13	24.5	3476	3	US-08-630-916A-47	Sequence 47, Appl1
C 692	13	24.5	2119	3	US-09-949-016-97	Sequence 7, Appl1	765	13	24.5	3495	4	US-09-605-703B-2575	Sequence 2575, Ap
C 693	13	24.5	2134	3	US-09-902-540-8895	Sequence 8895, Ap	766	13	24.5	3600	3	US-08-991-408-3	Sequence 3, Appl1
C 694	13	24.5	2217	3	US-09-949-016-495	Sequence 495, App	767	13	24.5	3600	3	US-09-432-473-3	Sequence 3, Appl1
C 695	13	24.5	2226	3	US-09-252-991A-13762	Sequence 13762, A	768	13	24.5	3744	2	US-08-348-353-16	Sequence 16, Appl
C 696	13	24.5	2230	3	US-09-105-390-1	Sequence 1, Appl1	769	13	24.5	3744	2	US-08-465-965-16	Sequence 16, Appl
C 697	13	24.5	2242	3	US-09-400-742-1	Sequence 1, Appl1	770	13	24.5	3744	3	US-08-465-966-16	Sequence 16, Appl
C 698	13	24.5	2242	3	US-08-618-651A-1	Sequence 1, Appl1	771	13	24.5	3745	3	US-09-270-767-9995	Sequence 9995, Ap
C 699	13	24.5	2242	3	US-09-215-352-1	Sequence 1, Appl1	772	13	24.5	3799	3	US-09-814-915A-98	Sequence 98, Appl1
C 700	13	24.5	2242	3	US-09-970-989A-1	Sequence 1, Appl1	773	13	24.5	3955	3	US-09-976-594-207	Sequence 207, App
C 701	13	24.5	2283	3	US-09-252-991A-3298	Sequence 3298, Ap	774	13	24.5	3956	3	US-09-774-528-281	Sequence 281, App
C 702	13	24.5	2295	3	US-09-270-767-12223	Sequence 12223, A	775	13	24.5	3956	3	US-10-120-988-281	Sequence 281, Appl1
C 703	13	24.5	2295	3	US-09-270-767-12465	Sequence 12465, A	776	13	24.5	4042	3	US-08-200-232-1	Sequence 1, Appl1
C 704	13	24.5	2312	2	US-08-102-942A-1	Sequence 1, Appl1	777	13	24.5	4042	6	PCT-US95-02219A-1	Sequence 1, Appl1
C 705	13	24.5	2312	2	US-09-037-179B-1	Sequence 1, Appl1	778	13	24.5	4042	2	PCT-US95-02219A-1	Sequence 1, Appl1
C 706	13	24.5	2312	3	US-09-929-315-1	Sequence 1, Appl1	779	13	24.5	4174	3	US-09-845-713A-1	Sequence 1, Appl1
C 707	13	24.5	2340	3	US-09-252-991A-13580	Sequence 13580, A	780	13	24.5	4209	3	US-09-949-016-1101	Sequence 1101, Ap
C 708	13	24.5	2355	3	US-09-902-540-1573	Sequence 7573, A	781	13	24.5	4257	2	US-08-690-473-1	Sequence 1, Appl1
C 709	13	24.5	2379	3	US-09-205-258-175	Sequence 175, App	782	13	24.5	4257	3	US-09-259-821A-1	Sequence 1, Appl1
C 710	13	24.5	2379	3	US-10-004-860-175	Sequence 175, App	783	13	24.5	4257	3	US-08-843-659-1	Sequence 1, Appl1
C 711	13	24.5	2400	3	US-10-104-047-1292	Sequence 1292, Ap	784	13	24.5	4257	3	US-09-825-288A-1	Sequence 1, Appl1
C 712	13	24.5	2412	2	US-08-437-027-18	Sequence 18, Appl	785	13	24.5	4330	3	US-09-310-293-1	Sequence 1, Appl1
C 713	13	24.5	2451	3	US-09-252-991A-12219	Sequence 12219, A	786	13	24.5	4330	3	US-09-579-376-1	Sequence 1, Appl1
C 714	13	24.5	2463	3	US-09-248-796A-5798	Sequence 5798, Ap	787	13	24.5	4330	3	US-09-949-016-54	Sequence 54, Appl
C 715	13	24.5	2484	3	US-10-104-047-813	Sequence 813, App	788	13	24.5	4384	3	US-09-949-016-1800	Sequence 1800, Ap
C 716	13	24.5	2494	3	US-09-949-016-3920	Sequence 3920, Ap	789	13	24.5	4384	3	US-09-949-016-1801	Sequence 1801, Ap
C 717	13	24.5	2526	3	US-09-949-016-3921	Sequence 3921, Ap	790	13	24.5	4384	3	US-09-949-016-1802	Sequence 1802, Ap
C 718	13	24.5	2526	3	US-09-252-991A-13864	Sequence 13864, A	791	13	24.5	4384	3	US-09-949-016-1803	Sequence 1803, Ap
C 719	13	24.5	2549	3	US-09-270-767-10740	Sequence 10740, A	792	13	24.5	4508	6	PCT-US93-06251-34	Sequence 34, Appl
C 720	13	24.5	2554	3	US-10-104-047-1262	Sequence 1262, Ap	793	13	24.5	4557	3	US-09-614-221A-446	Sequence 446, App
C 721	13	24.5	2557	3	US-09-949-016-3918	Sequence 3918, Ap	794	13	24.5	4557	3	US-09-487-558B-151	Sequence 151, App
C 722	13	24.5	2557	3	US-09-949-016-3919	Sequence 3919, Ap	795	13	24.5	4562	3	US-09-620-312D-418	Sequence 418, App
C 723	13	24.5	2588	3	US-09-480-017-3	Sequence 3, Appl1	796	13	24.5	4597	3	US-09-221-017B-11093	Sequence 1093, Ap
C 724	13	24.5	2607	3	US-09-270-767-12974	Sequence 12974, A	797	13	24.5	4600	3	US-09-702-705-1797	Sequence 1797, Ap
C 725	13	24.5	2652	3	US-09-270-767-13334	Sequence 13334, A	798	13	24.5	4600	3	US-09-736-457-1797	Sequence 1797, Ap
C 726	13	24.5	2682	2	US-08-791-887-1	Sequence 1, Appl1	799	13	24.5	4600	3	US-09-671-325-1797	Sequence 1797, Ap
C 727	13	24.5	2682	2	US-09-146-084-1	Sequence 1, Appl1	800	13	24.5	4600	3	US-10-017-754-1797	Sequence 1797, Ap
C 728	13	24.5	2689	2	US-08-465-795-2	Sequence 2, Appl1	801	13	24.5	4989	3	US-09-693-011-12	Sequence 12, Appl
C 729	13	24.5	2689	2	US-09-902-540-2831	Sequence 2831, Ap	802	13	24.5	5064	3	US-09-774-528-224	Sequence 224, App
C 730	13	24.5	2707	3	US-09-121-964-2	Sequence 2, Appl1	803	13	24.5	5064	3	US-10-120-988-224	Sequence 224, App
C 731	13	24.5	2712	3	US-09-270-767-13180	Sequence 13180, A	804	13	24.5	5083	3	US-09-693-011-11	Sequence 11, Appl
C 732	13	24.5	2796	3	US-09-710-279-4335	Sequence 4335, Ap	805	13	24.5	5145	3	US-08-991-408-1	Sequence 1, Appl1
C 733	13	24.5	2800	3	US-09-221-017B-668	Sequence 668, App	806	13	24.5	5145	3	US-09-432-473-1	Sequence 1, Appl1
C 734	13	24.5	2812	2	US-08-920-812-16	Sequence 16, Appl	807	13	24.5	5299	3	US-09-902-540-645	Sequence 645, App
C 735	13	24.5	2812	2	US-08-920-827-16	Sequence 16, Appl	808	13	24.5	5392	2	US-08-403-852D-1	Sequence 1, Appl1
C 736	13	24.5	2812	2	US-08-921-177-16	Sequence 16, Appl	809	13	24.5	5392	3	US-08-510-646B-1	Sequence 1, Appl1
C 737	13	24.5	2812	2	US-08-362-577C-16	Sequence 16, Appl	810	13	24.5	5392	3	US-09-231-818-1	Sequence 1, Appl1
C 738	13	24.5	2812	2	US-08-920-828-16	Sequence 16, Appl	811	13	24.5	5589	2	US-09-635-359B-1	Sequence 1, Appl1
C 739	13	24.5	2815	3	US-10-104-047-542	Sequence 542, App	812	13	24.5	5589	2	US-08-465-795-1	Sequence 1, Appl1
C 740	13	24.5	2822	3	US-09-023-655-782	Sequence 782, App	813	13	24.5	5616	3	US-09-949-016-1104	Sequence 1104, Ap
C 741	13	24.5	2844	3	US-10-104-047-1224	Sequence 1224, Ap	814	13	24.5	5616	3	US-09-949-016-1895	Sequence 2895, Ap
C 742	13	24.5	2889	3	US-09-902-540-1029	Sequence 3029, Ap	815	13	24.5	5616	3	US-09-949-016-2896	Sequence 2896, Ap
C 743	13	24.5	2909	3	US-09-949-016-5225	Sequence 5225, Ap	816	13	24.5	5616	3	US-09-949-016-2897	Sequence 2897, Ap
C 744	13	24.5	2909	3	US-10-112-350-25	Sequence 25, Appl1	817	13	24.5	5663	3	US-09-902-540-839	Sequence 839, App
C 745	13	24.5	2963	3	US-09-949-016-3267	Sequence 3267, Ap	818	13	24.5	5703	3	US-09-280-590A-36	Sequence 36, Appl
C 746	13	24.5	2963	3	US-09-949-016-3269	Sequence 3269, Ap	819	13	24.5	5703	3	US-09-892-398-16	Sequence 36, Appl
C 747	13	24.5	2963	3	US-09-949-016-3270	Sequence 3270, Ap	820	13	24.5	5855	2	US-08-592-214A-20	Sequence 20, Appl
C 748	13	24.5	2963	3	US-09-949-016-3533	Sequence 3533, Ap	821	13	24.5	5855	3	US-09-149-976-20	Sequence 20, Appl
C 749	13	24.5	3014	3	US-09-949-016-3533	Sequence 3533, Ap	822	13	24.5	5855	3	US-08-665-259-24	Sequence 24, Appl
C 750	13	24.5	3014	3	US-09-949-016-3534	Sequence 3534, Ap	823	13	24.5	5894	3	US-08-762-500-24	Sequence 24, Appl
C 751	13	24.5	3014	3	US-09-949-016-3535	Sequence 3535, Ap	824	13	24.5	5934	3	US-10-152-086-14	Sequence 34, Appl
C 752	13	24.5	3014	3	US-09-949-016-3536	Sequence 3536, Ap	825	13	24.5	6029	3	US-09-949-016-13342	Sequence 13342, A
C 753	13	24.5	3020	3	US-09-220-132-19	Sequence 19, Appl	826	13	24.5	6029	3	US-10-152-086-14	Sequence 34, Appl
C 754	13	24.5	3096	3	US-09-902-540-637	Sequence 637, App	827	13	24.5	6057	3	US-09-902-540-644	Sequence 644, App

828	13	24.5	6114	3	US-09-495-714C-5	Sequence 5, Appl1	c 901	13	24.5	34199	3	US-09-902-540-1255	Sequence 1255, Ap
c 829	13	24.5	6201	3	US-09-902-540-740	Sequence 740, App	902	13	24.5	35646	3	US-09-949-016-11896	Sequence 11896, A
c 830	13	24.5	6314	3	US-09-693-011-10	Sequence 10, Appl1	903	13	24.5	35647	3	US-09-949-016-13360	Sequence 13360, A
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c 833	13	24.5	6535	3	US-08-762-500-74	Sequence 74, Appl	906	13	24.5	36470	3	US-08-311-731A-123	Sequence 123, App
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c 837	13	24.5	7003	3	US-09-949-016-1102	Sequence 1102, App	c 910	13	24.5	37474	3	US-09-952-060-26	Sequence 26, Appl
c 838	13	24.5	7005	3	US-09-949-016-2881	Sequence 2891, App	c 911	13	24.5	38239	3	US-09-949-016-12348	Sequence 12348, A
c 839	13	24.5	7005	3	US-09-949-016-2892	Sequence 2892, App	c 912	13	24.5	38525	3	US-09-949-016-13570	Sequence 13570, A
c 840	13	24.5	7005	3	US-09-949-016-2893	Sequence 2893, App	c 913	13	24.5	38519	3	US-09-952-060-29	Sequence 29, Appl
c 841	13	24.5	7005	3	US-09-949-016-2894	Sequence 2894, App	c 914	13	24.5	41310	3	US-09-902-540-1254	Sequence 1264, App
c 842	13	24.5	7026	3	US-09-949-016-15139	Sequence 15139, A	c 915	13	24.5	42235	3	US-09-199-637A-1	Sequence 1, Appl1
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;; CURRENT APPLICATION NUMBER: US/09/103,840A
;; CURRENT FILING DATE: 1998-06-24
;; NUMBER OF SEQ ID NOS: 2
;; SOFTWARE: Patentln Ver. 2.1
;; SEQ ID NO 1
;; LENGTH: 4411529
;; TYPE: DNA
;; ORGANISM: Mycobacterium tuberculosis
;; OTHER INFORMATION: H37Rv
US-09-103-840A-1

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Best Local Similarity 100.0%; Pred. No. 0.049;
Matches 22; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 8 GCGCGACGACGATGCGAGCG 29
DB 1644357 GCGCGACGACGATGCGAGCG 1644336

RESULT 5
US-08-311-731A-138
; Sequence 138, Application US/08311731A
; Patent No. 6583266
; GENERAL INFORMATION:
; APPLICANT: SMITH, DOUGLAS
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES
; TITLE OF INVENTION: RELATING TO MYCOBACTERIUM TUBERCULOSIS AND LAPRAE FOR
; NUMBER OF SEQUENCES: 411
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: WOLF, GREENFIELD & SACKS, P.C.
; STREET: 600 ATLANTIC AVENUE
; CITY: BOSTON
; STATE: MASSACHUSETTS
; COUNTRY: USA
; ZIP: 02210
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentln Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/311,731A
; FILING DATE:
; CLASSIFICATION: 530
; ATTORNEY/AGENT INFORMATION:
; NAME: GATES, EDWARD R.
; REGISTRATION NUMBER: 31,616
; REFERENCE/DOCKET NUMBER: C0044/7125
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 617/720-3500
; TELEFAX: 617/720-2441
; INFORMATION FOR SEQ ID NO: 138:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 35961 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: circular
; MOLECULE TYPE: DNA (genomic)
; HYPOTHEICAL: NO
; ANTI-SENSE: NO
; ORIGINAL SOURCE:
; ORGANISM: Mycobacterium leprae
US-08-311-731A-138

Query Match 39.6%; Score 21; DB 3; Length 35961;
Best Local Similarity 100.0%; Pred. No. 0.22;
Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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DB 10659 CGCGGACGACGATGCGAGCG 10679

RESULT 6
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; Sequence 138, Application US/08311731A
; Patent No. 6583266
; GENERAL INFORMATION:
; APPLICANT: SMITH, DOUGLAS
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES
; TITLE OF INVENTION: RELATING TO MYCOBACTERIUM TUBERCULOSIS AND LAPRAE FOR
; NUMBER OF SEQUENCES: 411
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: WOLF, GREENFIELD & SACKS, P.C.
; STREET: 600 ATLANTIC AVENUE
; CITY: BOSTON
; STATE: MASSACHUSETTS
; COUNTRY: USA
; ZIP: 02210
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentln Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/311,731A
; FILING DATE:
; CLASSIFICATION: 530
; ATTORNEY/AGENT INFORMATION:
; NAME: GATES, EDWARD R.
; REGISTRATION NUMBER: 31,616
; REFERENCE/DOCKET NUMBER: C0044/7125
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 617/720-3500
; TELEFAX: 617/720-2441
; INFORMATION FOR SEQ ID NO: 138:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 35961 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: circular
; MOLECULE TYPE: DNA (genomic)
; HYPOTHEICAL: NO
; ANTI-SENSE: NO
; ORIGINAL SOURCE:
; ORGANISM: Mycobacterium leprae
US-08-311-731A-138

Query Match 39.6%; Score 21; DB 3; Length 35961;
Best Local Similarity 100.0%; Pred. No. 0.22;
Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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RESULT 7
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; Sequence 24, Application US/08311731A
; Patent No. 6583266
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; APPLICANT: SMITH, DOUGLAS
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES
; TITLE OF INVENTION: RELATING TO MYCOBACTERIUM TUBERCULOSIS AND LAPRAE FOR
; NUMBER OF SEQUENCES: 411
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: WOLF, GREENFIELD & SACKS, P.C.
; STREET: 600 ATLANTIC AVENUE

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; CITY: BOSTON
; STATE: MASSACHUSETTS
; COUNTRY: USA
; ZIP: 02210
; COMPUTER READABLE FORM:
; MEDIUM TYPE: floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/311,731A
; FILING DATE:
; CLASSIFICATION: 530
; ATTORNEY/AGENT INFORMATION:
; NAME: GATES, EDWARD R.
; REGISTRATION NUMBER: 31,616
; REFERENCE/DOCKET NUMBER: C0044/7125
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 617/720-3500
; TELEFAX: 617/720-2441
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; LENGTH: 38494 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: circular
; MOLECULE TYPE: DNA (genomic)
; HYPOTHEetical: NO
; ANTI-SENSE: NO
; ORIGINAL SOURCE:
; ORGANISM: MYCOBACTERIUM LEPRAE
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US-08-311-731A-24
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; Sequence 10, Application US/08653648A
; Patent No. 6379945
; GENERAL INFORMATION:
; APPLICANT: Jepson, Ian
; APPLICANT: Greenland, Andrew
; APPLICANT: Martinez, Alberto
; TITLE OF INVENTION: A Gene Switch
; FILE REFERENCE: PPD50047/US
; CURRENT APPLICATION NUMBER: US/08/653,648A
; CURRENT FILING DATE: 1996-05-24
; PRIOR APPLICATION NUMBER: GB 9510759.5
; PRIOR FILING DATE: 1995-05-26
; PRIOR APPLICATION NUMBER: GB 9605656.9
; PRIOR FILING DATE: 1996-03-18
; PRIOR APPLICATION NUMBER: GB 9513882.2
; PRIOR FILING DATE: 1995-07-07
; PRIOR APPLICATION NUMBER: GB 9517316.7
; PRIOR FILING DATE: 1995-08-24
; NUMBER OF SEQ ID NOS: 65
; SOFTWARE: PatentIn version 3.0
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; TYPE: DNA
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; FEATURE:
; NAME/KEY: modified base
; LOCATION: (224)..(224)
; OTHER INFORMATION: 1
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US-08-653-648A-10
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RESULT 9
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; Sequence 3, Application US/08653648A
; Patent No. 6379945
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; APPLICANT: Jepson, Ian
; APPLICANT: Greenland, Andrew
; APPLICANT: Martinez, Alberto
; TITLE OF INVENTION: A Gene Switch
; FILE REFERENCE: PPD50047/US
; CURRENT APPLICATION NUMBER: US/08/653,648A
; CURRENT FILING DATE: 1996-05-24
; PRIOR APPLICATION NUMBER: GB 9510759.5
; PRIOR FILING DATE: 1995-05-26
; PRIOR APPLICATION NUMBER: GB 9605656.9
; PRIOR FILING DATE: 1996-03-18
; PRIOR APPLICATION NUMBER: GB 9513882.2
; PRIOR FILING DATE: 1995-07-07
; PRIOR APPLICATION NUMBER: GB 9517316.7
; PRIOR FILING DATE: 1995-08-24
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; FEATURE:
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; LOCATION: (2241)..(2241)
; OTHER INFORMATION: Unsure
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US-08-653-648A-3
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Query Match          37.7%; Score 20; DB 3; Length 2464;
Best Local Similarity 100.0%; Pred. No. 0.83;
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RESULT 10
US-09-564-418-3
; Sequence 3, Application US/09564418
; Patent No. 6610628
; GENERAL INFORMATION:
; APPLICANT: Syngeeta
; APPLICANT: Jepson, Ian
; APPLICANT: Martinez, Alberto
; APPLICANT: Greenland, Andrew James
; TITLE OF INVENTION: A GENE SWITCH
; FILE REFERENCE: 1392/4/3
; CURRENT APPLICATION NUMBER: US/09/564,418
; CURRENT FILING DATE: 2000-05-03
; PRIOR APPLICATION NUMBER: US 09/564,418
; PRIOR FILING DATE: 2000-05-03
; NUMBER OF SEQ ID NOS: 63
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 3
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; TYPE: DNA
; ORGANISM: Heliothis virescens
; FEATURE:
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; NAME/KEY: misc
; LOCATION: (2241)..(2241)
; OTHER INFORMATION: n is a, c, g, or t
US-09-564-418-3
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Query Match          37.7%; Score 20; DB 3; Length 2464;
Best Local Similarity 100.0%; Pred. No. 0.83;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY      11 CCGACGACGATGCAGAGCGT 30
DB      1823 CCGACGACGATGCAGAGCGT 1842
```

```
RESULT 11
US-09-564-418-62/c
; Sequence 62, Application US/09564418
; Patent No. 6610828
; GENERAL INFORMATION:
; APPLICANT: Syngenta
; APPLICANT: Jepsen, Ian
; APPLICANT: Martinez, Alberto
; APPLICANT: Greenland, Andrew James
; TITLE OF INVENTION: A GENE SWITCH
; FILE REFERENCE: 1392/4/3
; CURRENT APPLICATION NUMBER: US/09/564,418
; CURRENT FILING DATE: 2000-05-03
; PRIOR APPLICATION NUMBER: US 09/564,418
; PRIOR FILING DATE: 2000-05-03
; NUMBER OF SEQ ID NOS: 63
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 62
; LENGTH: 2464
; TYPE: DNA
; ORGANISM: Heliothis virescens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (224)..(224)
; OTHER INFORMATION: n = a, c, g, or t, or i
US-09-564-418-62
```

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Query Match          37.7%; Score 20; DB 3; Length 2464;
Best Local Similarity 100.0%; Pred. No. 0.83;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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```
QY      11 CCGACGACGATGCAGAGCGT 30
DB      642 CCGACGACGATGCAGAGCGT 623
```

```
RESULT 12
US-08-653-648A-4
; Sequence 4, Application US/08653648A
; Patent No. 6379945
; GENERAL INFORMATION:
; APPLICANT: Jepsen, Ian
; APPLICANT: Greenland, Andrew
; APPLICANT: Martinez, Alberto
; TITLE OF INVENTION: A Gene Switch
; FILE REFERENCE: PPD50047/US
; CURRENT APPLICATION NUMBER: US/08/653,648A
; CURRENT FILING DATE: 1996-05-24
; PRIOR APPLICATION NUMBER: GB 9510759.5
; PRIOR FILING DATE: 1995-05-26
; PRIOR APPLICATION NUMBER: GB 9605656.9
; PRIOR FILING DATE: 1996-03-18
; PRIOR APPLICATION NUMBER: GB 9513882.2
; PRIOR FILING DATE: 1995-07-07
; PRIOR APPLICATION NUMBER: GB 9517316.7
; PRIOR FILING DATE: 1995-08-24
; NUMBER OF SEQ ID NOS: 65
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 4
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```
; LENGTH: 2745
; TYPE: DNA
; ORGANISM: Heliothis virescens
; FEATURE:
; NAME/KEY: Unsure
; LOCATION: (2522)..(2522)
; OTHER INFORMATION: Unsure
US-08-653-648A-4
```

```
Query Match          37.7%; Score 20; DB 3; Length 2745;
Best Local Similarity 100.0%; Pred. No. 0.82;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      11 CCGACGACGATGCAGAGCGT 30
DB      2104 CCGACGACGATGCAGAGCGT 2123
```

```
RESULT 13
US-09-564-418-4
; Sequence 4, Application US/09564418
; Patent No. 6610828
; GENERAL INFORMATION:
; APPLICANT: Syngenta
; APPLICANT: Jepsen, Ian
; APPLICANT: Martinez, Alberto
; APPLICANT: Greenland, Andrew James
; TITLE OF INVENTION: A GENE SWITCH
; FILE REFERENCE: 1392/4/3
; CURRENT APPLICATION NUMBER: US/09/564,418
; CURRENT FILING DATE: 2000-05-03
; PRIOR APPLICATION NUMBER: US 09/564,418
; PRIOR FILING DATE: 2000-05-03
; NUMBER OF SEQ ID NOS: 63
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 4
; LENGTH: 2745
; TYPE: DNA
; ORGANISM: Heliothis virescens
; FEATURE:
; NAME/KEY: misc
; LOCATION: (2522)..(2522)
; OTHER INFORMATION: n=a, c, g, or t
US-09-564-418-4
```

```
Query Match          37.7%; Score 20; DB 3; Length 2745;
Best Local Similarity 100.0%; Pred. No. 0.82;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      11 CCGACGACGATGCAGAGCGT 30
DB      2104 CCGACGACGATGCAGAGCGT 2123
```

```
RESULT 14
US-09-533-559-2252/c
; Sequence 2252, Application US/09533559
; Patent No. 6902887
; GENERAL INFORMATION:
; APPLICANT: Randy M. Berka
; APPLICANT: Michael W. Rey
; APPLICANT: Jeffrey R. Shuster
; APPLICANT: Sakari Kauppinen
; APPLICANT: Ib Groth Clausen
; APPLICANT: Peter Bjørke Olsen
; TITLE OF INVENTION: Methods For Monitoring Multiple Gene
; FILE REFERENCE: 5849.200-US
; CURRENT APPLICATION NUMBER: US/09/533,559
; CURRENT FILING DATE: 2000-03-22
; EARLIER APPLICATION NUMBER: 09/273,623
; EARLIER FILING DATE: 1999-03-22
; NUMBER OF SEQ ID NOS: 7860
```

```

; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO: 2252
; LENGTH: 461
; TYPE: DNA
; ORGANISM: Fusarium venenatum
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)..(461)
; OTHER INFORMATION: n = A,T,C or G
US-09-533-559-2252

Query Match          35.8%; Score 19; DB 3; Length 461;
Best Local Similarity 100.0%; Pred. No. 2.9;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      25 GAGCGTAGCGATGAGAGAG 43
      |||||
Db      77 GAGGTAGCGATGAGAGAG 59

RESULT 15
US-08-311-731A-121/c
; Sequence 121, Application US/08311731A
; Patent No. 6583266
; GENERAL INFORMATION:
; APPLICANT: SMITH, DOUGLAS
; APPLICANT: MAO, JEN-I
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES
; TITLE OF INVENTION: RELATING TO MYCOBACTERIUM TUBERCULOSIS AND LAPRAE FOR
; TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
; NUMBER OF SEQUENCES: 411
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: WOLF, GREENFIELD & SACKS, P.C.
; STREET: 600 ATLANTIC AVENUE
; CITY: BOSTON
; STATE: MASSACHUSETTS
; COUNTRY: USA
; ZIP: 02210
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/311,731A
; FILING DATE:
; CLASSIFICATION: 530
; ATTORNEY/AGENT INFORMATION:
; NAME: GATES, EDWARD R.
; REGISTRATION NUMBER: 31,616
; REFERENCE/DOCKET NUMBER: C0044/7125
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 617/720-3500
; TELEFAX: 617/720-2441
; INFORMATION FOR SEQ ID NO: 121:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 33312 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: circular
; MOLECULE TYPE: DNA (genomic)
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; ORIGINAL SOURCE:
; ORGANISM: MYCOBACTERIUM LEPRAE
US-08-311-731A-121

Query Match          34.0%; Score 18; DB 3; Length 33312;
Best Local Similarity 100.0%; Pred. No. 6.3;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      8 GCGCGAGCGAGCGATGAG 25
      |||||

```

```

Db      8637 GCGCGAGCGAGCGATGAG 8620

RESULT 16
US-08-311-731A-134/c
; Sequence 134, Application US/08311731A
; Patent No. 6583266
; GENERAL INFORMATION:
; APPLICANT: SMITH, DOUGLAS
; APPLICANT: MAO, JEN-I
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES
; TITLE OF INVENTION: RELATING TO MYCOBACTERIUM TUBERCULOSIS AND LAPRAE FOR
; TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
; NUMBER OF SEQUENCES: 411
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: WOLF, GREENFIELD & SACKS, P.C.
; STREET: 600 ATLANTIC AVENUE
; CITY: BOSTON
; STATE: MASSACHUSETTS
; COUNTRY: USA
; ZIP: 02210
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/311,731A
; FILING DATE:
; CLASSIFICATION: 530
; ATTORNEY/AGENT INFORMATION:
; NAME: GATES, EDWARD R.
; REGISTRATION NUMBER: 31,616
; REFERENCE/DOCKET NUMBER: C0044/7125
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 617/720-3500
; TELEFAX: 617/720-2441
; INFORMATION FOR SEQ ID NO: 134:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 36241 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: circular
; MOLECULE TYPE: DNA (genomic)
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; ORIGINAL SOURCE:
; ORGANISM: Mycobacterium leprae
US-08-311-731A-134

Query Match          34.0%; Score 18; DB 3; Length 36241;
Best Local Similarity 100.0%; Pred. No. 6.2;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      15 CGAGCATGCGAGCGGTAG 32
      |||||
Db      17366 CGAGCATGCGAGCGGTAG 17349

RESULT 17
US-09-016-434-893
; Sequence 893, Application US/09016434
; Patent No. 6500938
; GENERAL INFORMATION:
; APPLICANT: Janice Au-Young
; APPLICANT: Jeffrey J. Seilhamer
; TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF SIGNALING
; TITLE OF INVENTION: PATHWAY GENE EXPRESSION
; NUMBER OF SEQUENCES: 1490
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: INCYTE PHARMACEUTICALS, INC.
; STREET: 3174 PORTER DRIVE
; CITY: PALO ALTO

```

```
STATE: CALIFORNIA
COUNTRY: USA
ZIP: 94304
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/016,434
FILING DATE: HEREWITH
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Zeller, Karen J.
REGISTRATION NUMBER: 37,071
REFERENCE/DOCKET NUMBER: PA-0002 US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (650) 855-0555
TELEFAX: (650) 845-4166
INFORMATION FOR SEQ ID NO: 893:
SEQUENCE CHARACTERISTICS:
LENGTH: 280 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
IMMEDIATE SOURCE:
LIBRARY: SYNORAT03
CLONE: 696484
US-09-016-434-893

Query Match      32.1%; Score 17; DB 3; Length 280;
Best Local Similarity 100.0%; Pred. No. 28;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      31 AGCGATGAGGAGGAGTG 47
Db      154 AGCGATGAGGAGGAGTG 170
```

```
RESULT 18
US-09-148-545-24
Sequence 24, Application US/09148545
Patent No. 6590075
GENERAL INFORMATION:
APPLICANT: Rosen et al.
TITLE OR INVENTION: 70 Human Secreted Proteins
FILE REFERENCE: P2001P1
CURRENT APPLICATION NUMBER: US/09/148,545
EARLIER FILING DATE: 1998-09-04
EARLIER APPLICATION NUMBER: PCT/US98/04482
EARLIER FILING DATE: 1998-03-06
EARLIER APPLICATION NUMBER: 60/040,162
EARLIER FILING DATE: 1997-03-07
EARLIER APPLICATION NUMBER: 60/040,333
EARLIER FILING DATE: 1997-03-07
EARLIER APPLICATION NUMBER: 60/038,621
EARLIER FILING DATE: 1997-03-07
EARLIER APPLICATION NUMBER: 60/040,161
EARLIER FILING DATE: 1997-03-07
EARLIER APPLICATION NUMBER: 60/040,626
EARLIER FILING DATE: 1997-03-07
EARLIER APPLICATION NUMBER: 60/040,334
EARLIER FILING DATE: 1997-03-07
EARLIER APPLICATION NUMBER: 60/040,336
EARLIER FILING DATE: 1997-03-07
EARLIER APPLICATION NUMBER: 60/040,163
EARLIER FILING DATE: 1997-03-07
EARLIER APPLICATION NUMBER: 60/047,615
EARLIER FILING DATE: 1997-05-23
```

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EARLIER APPLICATION NUMBER: 60/047,600
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,597
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,502
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,633
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,583
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,617
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,618
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,503
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,592
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,581
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,584
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,500
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,587
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,492
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,598
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,613
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,582
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,596
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,612
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,632
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,601
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/043,580
EARLIER FILING DATE: 1997-04-11
EARLIER APPLICATION NUMBER: 60/043,568
EARLIER FILING DATE: 1997-04-11
EARLIER APPLICATION NUMBER: 60/043,314
EARLIER FILING DATE: 1997-04-11
EARLIER APPLICATION NUMBER: 60/043,569
EARLIER FILING DATE: 1997-04-11
EARLIER APPLICATION NUMBER: 60/043,311
EARLIER FILING DATE: 1997-04-11
EARLIER APPLICATION NUMBER: 60/043,671
EARLIER FILING DATE: 1997-04-11
EARLIER APPLICATION NUMBER: 60/043,674
EARLIER FILING DATE: 1997-04-11
EARLIER APPLICATION NUMBER: 60/043,669
EARLIER FILING DATE: 1997-04-11
EARLIER APPLICATION NUMBER: 60/043,312
EARLIER FILING DATE: 1997-04-11
EARLIER APPLICATION NUMBER: 60/043,313
EARLIER FILING DATE: 1997-04-11
EARLIER APPLICATION NUMBER: 60/043,672
EARLIER FILING DATE: 1997-04-11
EARLIER APPLICATION NUMBER: 60/043,315
EARLIER FILING DATE: 1997-04-11
EARLIER APPLICATION NUMBER: 60/048,974
EARLIER FILING DATE: 1997-06-06
EARLIER APPLICATION NUMBER: 60/056,886
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,877
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,889
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EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056, 893
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056, 630
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056, 878
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056, 662
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056, 872
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056, 882
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056, 637
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056, 903
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056, 888
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056, 879
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056, 880
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056, 894
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056, 911
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056, 636
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056, 874
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056, 910
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056, 864
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056, 631
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056, 845
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056, 892
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/047, 595
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/057, 761
EARLIER FILING DATE: 05-Sep-1997
EARLIER APPLICATION NUMBER: 60/047, 599
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047, 588
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047, 585
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047, 586
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047, 590
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047, 594
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047, 589
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047, 593
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047, 614
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/043, 578
EARLIER FILING DATE: 1997-04-11
EARLIER APPLICATION NUMBER: 60/043, 576
EARLIER FILING DATE: 1997-04-11
EARLIER APPLICATION NUMBER: 60/047, 501
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/043, 670
EARLIER FILING DATE: 1997-04-11
EARLIER APPLICATION NUMBER: 60/056, 632
EARLIER FILING DATE: 1997-08-22

EARLIER APPLICATION NUMBER: 60/056, 664
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056, 876
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056, 881
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056, 909
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056, 875
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056, 862
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056, 887
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056, 908
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/048, 964
EARLIER FILING DATE: 1997-06-06
EARLIER APPLICATION NUMBER: 60/057, 650
EARLIER FILING DATE: 1997-09-05
EARLIER APPLICATION NUMBER: 60/056, 884
EARLIER FILING DATE: 1997-08-22
NUMBER OF SEQ ID NOS: 280
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 24
LENGTH: 796

Query Match 32.1%; Score 17; DB 3; Length 796;
Best Local Similarity 100.0%; Pred. No. 26;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 31 AGCGATGAGGAGAGTG 47
|||||
Db 246 AGCGATGAGGAGAGTG 262

RESULT 19
US-09-621-011-24
Sequence 24, Application US/09621011
Patent No. 6878687
GENERAL INFORMATION:
APPLICANT: Rosen et al.
TITLE OF INVENTION: 70 Human Secreted Proteins
FILE REFERENCE: P2001P1
CURRENT FILING DATE: 2000-07-20
Prior application data removed - consult PALM or file wrapper
NUMBER OF SEQ ID NOS: 280
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 24
LENGTH: 796
TYPE: DNA
ORGANISM: Homo sapiens
US-09-621-011-24

Query Match 32.1%; Score 17; DB 3; Length 796;
Best Local Similarity 100.0%; Pred. No. 26;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 31 AGCGATGAGGAGAGTG 47
|||||
Db 246 AGCGATGAGGAGAGTG 262

RESULT 20
US-09-148-545-89
Sequence 89, Application US/09148545
Patent No. 6590075
GENERAL INFORMATION:
APPLICANT: Rosen et al.
TITLE OF INVENTION: 70 Human Secreted Proteins
FILE REFERENCE: P2001P1
CURRENT APPLICATION NUMBER: US/09/148, 545

[illegible]

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; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,590
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,594
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,589
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,593
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,614
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/043,578
; EARLIER FILING DATE: 1997-04-11
; EARLIER APPLICATION NUMBER: 60/043,576
; EARLIER FILING DATE: 1997-04-11
; EARLIER APPLICATION NUMBER: 60/047,501
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/043,670
; EARLIER FILING DATE: 1997-04-11
; EARLIER APPLICATION NUMBER: 60/056,632
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/056,664
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/056,876
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/056,881
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/056,909
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/056,875
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/056,862
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/056,887
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/056,908
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/048,964
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/057,650
; EARLIER FILING DATE: 1997-09-05
; EARLIER APPLICATION NUMBER: 60/056,884
; EARLIER FILING DATE: 1997-08-22
; NUMBER OF SEQ ID NOS: 280
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 89
; LENGTH: 855

Query Match      32.1%; Score 17; DB 3; Length 855;
Best Local Similarity 100.0%; Pred. No. 26;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy      31 AGCGATGAGGAGGAGTG 47
      |||||
Db      124 AGCGATGAGGAGGAGTG 140

RESULT 21
US-09-621-011-89
; Sequence 89, Application US/09621011
; Patent No. 6878687
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: 70 Human Secreted Proteins
; FILE REFERENCE: P2001P1
; CURRENT APPLICATION NUMBER: US/09/621,011
; PRIOR APPLICATION data removed - consult PALM or file wrapper
; NUMBER OF SEQ ID NOS: 280
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 89
; LENGTH: 855
; TYPE: DNA
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; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (103)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: SITE
; LOCATION: (767)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: SITE
; LOCATION: (831)
; OTHER INFORMATION: n equals a,t,g, or c
US-09-621-011-89

Query Match      32.1%; Score 17; DB 3; Length 855;
Best Local Similarity 100.0%; Pred. No. 26;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy      31 AGCGATGAGGAGGAGTG 47
      |||||
Db      124 AGCGATGAGGAGGAGTG 140

RESULT 22
US-09-907-794A-126
; Sequence 126, Application US/09907794A
; Patent No. 6635468
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Baton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gertlisen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Kijavlin, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/907,794A
; CURRENT FILING DATE: 2001-07-17
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15
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; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: PCT/US99/28214
; PRIOR FILING DATE: 1999-11-29
; PRIOR APPLICATION NUMBER: PCT/US99/28313
; PRIOR FILING DATE: 1999-11-30
; PRIOR APPLICATION NUMBER: PCT/US99/28564
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/28565
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: PCT/US99/30911
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US99/30999
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; PRIOR FILING DATE: 2000-01-05
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 126
; LENGTH: 1210
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-09-907-794A-126

Query Match      32.1%  Score 17;  DB 3;  Length 1210;
Best Local Similarity 100.0%;  Pred. No. 25;
Matches 17;  Conservative 0;  Mismatches 0;
Indels 0;  Gaps 0;

QY      31 AGCGATGAGGAGGAGTG 47
Db      282 AGCGATGAGGAGGAGTG 298

RESULT 23
US-09-905-125A-126
; Sequence 126, Application US/09905125A
; Patent No. 6664376
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnovers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerltzen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Kijavich, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/905,125A
; PRIOR FILING DATE: 2001-07-12
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
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; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: PCT/US99/28214
; PRIOR FILING DATE: 1999-11-29
; PRIOR APPLICATION NUMBER: PCT/US99/28313
; PRIOR FILING DATE: 1999-11-30
; PRIOR APPLICATION NUMBER: PCT/US99/28564
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/28565
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: PCT/US99/30911
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US99/30999
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 126
; LENGTH: 1210
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-09-905-125A-126

Query Match      32.1%  Score 17;  DB 3;  Length 1210;
Best Local Similarity 100.0%;  Pred. No. 25;
Matches 17;  Conservative 0;  Mismatches 0;
Indels 0;  Gaps 0;

QY      31 AGCGATGAGGAGGAGTG 47
Db      282 AGCGATGAGGAGGAGTG 298

RESULT 24
US-09-902-775A-126
; Sequence 126, Application US/09902775A
; Patent No. 666451
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnovers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerltzen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Kijavich, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
```

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; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/902,775A
; CURRENT FILING DATE: 2001-07-10
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: PCT/US99/28214
; PRIOR FILING DATE: 1999-11-29
; PRIOR APPLICATION NUMBER: PCT/US99/28313
; PRIOR FILING DATE: 1999-11-30
; PRIOR APPLICATION NUMBER: PCT/US99/28564
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/28565
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: PCT/US99/30911
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US99/30999
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; PRIOR FILING DATE: 2000-01-05
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 126
; LENGTH: 1210
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-09-902-775A-126

Query Match      32.1%; Score 17; DB 3; Length 1210;
Best Local Similarity 100.0%; Pred. No. 25;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      31 AGCGATGAGGAGGAGTG 47
Db      282 AGCGATGAGGAGGAGTG 298

RESULT 25
US-09-906-700-126
; Sequence 126, Application US/09906700
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Baton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
```

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; APPLICANT: Gerltzen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Kijavlin, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/906,700
; CURRENT FILING DATE: 2000-09-18
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: PCT/US99/28214
; PRIOR FILING DATE: 1999-11-29
; PRIOR APPLICATION NUMBER: PCT/US99/28313
; PRIOR FILING DATE: 1999-11-30
; PRIOR APPLICATION NUMBER: PCT/US99/28564
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/28565
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: PCT/US99/30911
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US99/30999
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; PRIOR FILING DATE: 2000-01-05
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 126
; LENGTH: 1210
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-09-906-700-126

Query Match      32.1%; Score 17; DB 3; Length 1210;
Best Local Similarity 100.0%; Pred. No. 25;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      31 AGCGATGAGGAGGAGTG 47
Db      282 AGCGATGAGGAGGAGTG 298

RESULT 26
US-09-903-603A-126
; Sequence 126, Application US/09903603A
```

Patent No. 6767995
GENERAL INFORMATION:
APPLICANT: Genentech, Inc.
APPLICANT: Ashkenazi, Avi
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Filvaroff, Ellen
APPLICANT: Fong, Sherman
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerlitsen, Mary E.
APPLICANT: Goddard, A.
APPLICANT: Grimaldi, Christopher J.
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth, J.
APPLICANT: Kljavin, Ivar J.
APPLICANT: Mather, Jennie P.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William, I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: GNE.1618P2C12
CURRENT APPLICATION NUMBER: US/09/903,603A
PRIOR FILING DATE: 2001-07-11
PRIOR APPLICATION NUMBER: PCT/US00/04414
PRIOR FILING DATE: 2000-02-22
PRIOR APPLICATION NUMBER: US 60/143,048
PRIOR FILING DATE: 1999-07-07
PRIOR APPLICATION NUMBER: US 60/145,698
PRIOR FILING DATE: 1999-07-26
PRIOR APPLICATION NUMBER: US 60/146,222
PRIOR FILING DATE: 1999-07-28
PRIOR APPLICATION NUMBER: PCT/US99/20594
PRIOR FILING DATE: 1999-09-08
PRIOR APPLICATION NUMBER: PCT/US99/20944
PRIOR FILING DATE: 1999-09-13
PRIOR APPLICATION NUMBER: PCT/US99/21090
PRIOR FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: PCT/US99/21547
PRIOR FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: PCT/US99/223089
PRIOR FILING DATE: 1999-10-05
PRIOR APPLICATION NUMBER: PCT/US99/28214
PRIOR FILING DATE: 1999-11-29
PRIOR APPLICATION NUMBER: PCT/US99/28313
PRIOR FILING DATE: 1999-11-30
PRIOR APPLICATION NUMBER: PCT/US99/28564
PRIOR FILING DATE: 1999-12-02
PRIOR APPLICATION NUMBER: PCT/US99/28565
PRIOR FILING DATE: 1999-12-02
PRIOR APPLICATION NUMBER: PCT/US99/30095
PRIOR FILING DATE: 1999-12-16
PRIOR APPLICATION NUMBER: PCT/US99/30911
PRIOR FILING DATE: 1999-12-20
PRIOR APPLICATION NUMBER: PCT/US99/30999
PRIOR FILING DATE: 1999-12-20
PRIOR APPLICATION NUMBER: PCT/US00/00219
PRIOR FILING DATE: 2000-01-05
NUMBER OF SEQ ID NOS: 423
SEQ ID NO 126
LENGTH: 1210
TYPE: DNA
ORGANISM: Homo sapiens
US-09-903-603A-126

Query Match 32.1%; Score 17; DB 3; Length 1210;
Best Local Similarity 100.0%; Pred. No. 25;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 31 AGCGATGAGAGAGATG 47
DB 282 AGCGATGAGAGAGATG 298
RESULT 27
US-09-904-920A-126
Sequence 126, Application US/09904920A
Patent No. 6806352
GENERAL INFORMATION:
APPLICANT: Genentech, Inc.
APPLICANT: Ashkenazi, Avi
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Filvaroff, Ellen
APPLICANT: Fong, Sherman
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerlitsen, Mary E.
APPLICANT: Goddard, A.
APPLICANT: Grimaldi, Christopher J.
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth, J.
APPLICANT: Kljavin, Ivar J.
APPLICANT: Mather, Jennie P.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William, I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: 10466-14
CURRENT APPLICATION NUMBER: US/09/904,920A
PRIOR FILING DATE: 2001-07-13
PRIOR APPLICATION NUMBER: PCT/US00/04414
PRIOR FILING DATE: 2000-02-22
PRIOR APPLICATION NUMBER: US 60/143,048
PRIOR FILING DATE: 1999-07-07
PRIOR APPLICATION NUMBER: US 60/145,698
PRIOR FILING DATE: 1999-07-26
PRIOR APPLICATION NUMBER: US 60/146,222
PRIOR FILING DATE: 1999-07-28
PRIOR APPLICATION NUMBER: PCT/US99/20594
PRIOR FILING DATE: 1999-09-08
PRIOR APPLICATION NUMBER: PCT/US99/20944
PRIOR FILING DATE: 1999-09-13
PRIOR APPLICATION NUMBER: PCT/US99/21090
PRIOR FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: PCT/US99/21547
PRIOR FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: PCT/US99/223089
PRIOR FILING DATE: 1999-10-05
PRIOR APPLICATION NUMBER: PCT/US99/28214
PRIOR FILING DATE: 1999-11-29
PRIOR APPLICATION NUMBER: PCT/US99/28313
PRIOR FILING DATE: 1999-11-30
PRIOR APPLICATION NUMBER: PCT/US99/28564
PRIOR FILING DATE: 1999-12-02
PRIOR APPLICATION NUMBER: PCT/US99/28565
PRIOR FILING DATE: 1999-12-02
PRIOR APPLICATION NUMBER: PCT/US99/30095
PRIOR FILING DATE: 1999-12-16
PRIOR APPLICATION NUMBER: PCT/US99/30911

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; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US99/30999
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; PRIOR FILING DATE: 2000-01-05
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 126
; LENGTH: 1210
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-904-920A-126

Query Match      32.1%; Score 17; DB 3; Length 1210;
Best Local Similarity 100.0%; Pred. No. 25;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy      31 AGCGATGAGGAGGAGTG 47
Db      282 AGCGATGAGGAGGAGTG 298

RESULT 28
US-09-909-064-126
; Sequence 126, Application US/09909064
; Patent No. 6818449
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Kijavlin, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Thomas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/909,064
; CURRENT FILING DATE: 2001-07-18
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
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; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: PCT/US99/28214
; PRIOR FILING DATE: 1999-11-29
; PRIOR APPLICATION NUMBER: PCT/US99/28313
; PRIOR FILING DATE: 1999-11-30
; PRIOR APPLICATION NUMBER: PCT/US99/28564
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/28565
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: PCT/US99/30911
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US99/30999
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 126
; LENGTH: 1210
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-909-064-126

Query Match      32.1%; Score 17; DB 3; Length 1210;
Best Local Similarity 100.0%; Pred. No. 25;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy      31 AGCGATGAGGAGGAGTG 47
Db      282 AGCGATGAGGAGGAGTG 298

RESULT 29
US-09-905-381A-126
; Sequence 126, Application US/09905381A
; Patent No. 6818746
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Kijavlin, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Thomas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/905,381A
; CURRENT FILING DATE: 2001-07-13
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: PCT/US99/23089
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; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: PCT/US99/28214
; PRIOR FILING DATE: 1999-11-29
; PRIOR APPLICATION NUMBER: PCT/US99/28313
; PRIOR FILING DATE: 1999-11-30
; PRIOR APPLICATION NUMBER: PCT/US99/28564
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/28565
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: PCT/US99/30911
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US99/30999
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; PRIOR FILING DATE: 2000-01-05
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 126
; LENGTH: 1210
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-905-381A-126
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Query Match      32.1%  Score 17;  DB 3;  Length 1210;
Best Local Similarity 100.0%; Pred. No. 25;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY      31 AGCGATGAGGAGGAGTG 47
Db      282 AGCGATGAGGAGGAGTG 298
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RESULT 30
US-09-906-618-126
; Sequence 126, Application US/09906618
; Patent No. 6828146
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Kijavrin, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
```

```
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/906,618
; CURRENT FILING DATE: 2001-07-16
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: PCT/US99/28214
; PRIOR FILING DATE: 1999-11-29
; PRIOR APPLICATION NUMBER: PCT/US99/28313
; PRIOR FILING DATE: 1999-11-30
; PRIOR APPLICATION NUMBER: PCT/US99/28564
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/28565
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: PCT/US99/30911
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US99/30999
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; PRIOR FILING DATE: 2000-01-05
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 126
; LENGTH: 1210
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-906-618-126
```

```
Query Match      32.1%  Score 17;  DB 3;  Length 1210;
Best Local Similarity 100.0%; Pred. No. 25;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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```
QY      31 AGCGATGAGGAGGAGTG 47
Db      282 AGCGATGAGGAGGAGTG 298
```

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RESULT 31
US-09-906-646-126
; Sequence 126, Application US/09906646
; Patent No. 6852848
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
```

```

; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/906,646
; PRIOR FILING DATE: 2002-01-22
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: PCT/US99/28214
; PRIOR FILING DATE: 1999-11-29
; PRIOR APPLICATION NUMBER: PCT/US99/28313
; PRIOR FILING DATE: 1999-11-30
; PRIOR APPLICATION NUMBER: PCT/US99/28564
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/28565
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: PCT/US99/30911
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US99/30999
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; PRIOR FILING DATE: 2000-01-05
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 126
; LENGTH: 1210
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-906-646-126

Query Match      32.1%; Score 17; DB 3; Length 1210;
Best Local Similarity 100.0%; Pred. No. 25;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Oy      31 AGCGATGAGGAGATG 47
Db      282 AGCGATGAGGAGATG 298

RESULT 32
US-09-904-462-126
; Sequence 126; Application US/09904462
; Patent No. 6878807
```

```

; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Baton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerltsen, Mary B.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/904,462
; PRIOR FILING DATE: 2001-07-13
; PRIOR APPLICATION NUMBER: 09/665,350
; PRIOR FILING DATE: 2000-09-18
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: PCT/US99/28214
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: PCT/US99/28214
; PRIOR FILING DATE: 1999-11-29
; PRIOR APPLICATION NUMBER: PCT/US99/28313
; PRIOR FILING DATE: 1999-11-30
; PRIOR APPLICATION NUMBER: PCT/US99/28564
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/28565
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: PCT/US99/30911
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US99/30999
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; PRIOR FILING DATE: 2000-01-05
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 126
; LENGTH: 1210
; TYPE: DNA
; ORGANISM: Homo Sapien
US-09-904-462-126
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Query Match 32.1%; Score 17; DB 3; Length 1210;
Best Local Similarity 100.0%; Pred. No. 25;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 31 AGCGATGAGAGAGTG 47
|||||
Db 282 AGCGATGAGAGAGTG 298

RESULT 33
US-09-902-736A-126
; Sequence 126, Application US/09902736A
; Patent No. 6894148
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Flivarov, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gertlisen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Kijavlin, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/902,736A
; CURRENT FILING DATE: 2001-07-10
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: PCT/US99/28214
; PRIOR FILING DATE: 1999-11-29
; PRIOR APPLICATION NUMBER: PCT/US99/28313
; PRIOR FILING DATE: 1999-11-30
; PRIOR APPLICATION NUMBER: PCT/US99/28564
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/28565
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: 1999-12-16

; PRIOR APPLICATION NUMBER: PCT/US99/30911
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US99/30999
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; PRIOR FILING DATE: 2000-01-05
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 126
; LENGTH: 1210
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-902-736A-126

Query Match 32.1%; Score 17; DB 3; Length 1210;
Best Local Similarity 100.0%; Pred. No. 25;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 31 AGCGATGAGAGAGTG 47
|||||
Db 282 AGCGATGAGAGAGTG 298

RESULT 34
US-09-906-722A-126
; Sequence 126, Application US/09906722A
; Patent No. 6946262
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Flivarov, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gertlisen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Kijavlin, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: GNE.1618P2C61
; CURRENT APPLICATION NUMBER: US/09/906,722A
; CURRENT FILING DATE: 2001-07-16
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15

PRIOR APPLICATION NUMBER: PCT/US99/23089
PRIOR FILING DATE: 1999-10-05
PRIOR APPLICATION NUMBER: PCT/US99/28214
PRIOR FILING DATE: 1999-11-29
PRIOR APPLICATION NUMBER: PCT/US99/28313
PRIOR FILING DATE: 1999-11-30
PRIOR APPLICATION NUMBER: PCT/US99/28564
PRIOR FILING DATE: 1999-12-02
PRIOR APPLICATION NUMBER: PCT/US99/28565
PRIOR FILING DATE: 1999-12-02
PRIOR APPLICATION NUMBER: PCT/US99/30095
PRIOR FILING DATE: 1999-12-16
PRIOR APPLICATION NUMBER: PCT/US99/30911
PRIOR FILING DATE: 1999-12-20
PRIOR APPLICATION NUMBER: PCT/US99/30999
PRIOR FILING DATE: 1999-12-20
PRIOR APPLICATION NUMBER: PCT/US00/00219
PRIOR FILING DATE: 2000-01-05
NUMBER OF SEQ ID NOS: 423
SEQ ID NO 126
LENGTH: 1210
TYPE: DNA
ORGANISM: Homo sapiens
US-09-906-722A-126

Query Match 32.1%; Score 17; DB 3; Length 1210;
Best Local Similarity 100.0%; Pred. No. 25;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 31 AGCGATGAGAGAGTG 47
Db 282 AGCGATGAGAGAGTG 298

RESULT 35
US-08-311-731A-137/C
Sequence 137, Application US/08311731A
Patent No. 6583266
GENERAL INFORMATION:
APPLICANT: SMITH, DOUGLAS
APPLICANT: MAO, JEN-I
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES
TITLE OF INVENTION: RELATING TO MYCOBACTERIUM TUBERCULOSIS AND LAPRAE FOR
TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
NUMBER OF SEQUENCES: 411
CORRESPONDENCE ADDRESS:
ADDRESSER: WOLF, GREENFIELD & SACKS, P.C.
STREET: 600 ATLANTIC AVENUE
CITY: BOSTON
STATE: MASSACHUSETTS
COUNTRY: USA
ZIP: 02210
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/311,731A
FILING DATE:
CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: GATES, EDWARD R.
REGISTRATION NUMBER: 31,616
REFERENCE/DOCKET NUMBER: C0044/7125
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617/720-3500
TELEFAX: 617/720-2441
INFORMATION FOR SEQ ID NO: 137:
SEQUENCE CHARACTERISTICS:
LENGTH: 40123 base pairs
TYPE: nucleic acid
STRANDEDNESS: double

TOPOLOGY: circular
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: Mycobacterium leprae
US-08-311-731A-137

Query Match 32.1%; Score 17; DB 3; Length 40123;
Best Local Similarity 100.0%; Pred. No. 19;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 8 GCCCGGACGACGATGCA 24
Db 14283 GCCCGGACGACGATGCA 14267

RESULT 36
US-09-513-999C-1746
Sequence 1746, Application US/09513999C
Patent No. 6783961
GENERAL INFORMATION:
APPLICANT: Dumas Milne Edwards, J.B.
APPLICANT: Duclert, A.Y.
TITLE OF INVENTION: Expressed Sequence Tags and Encoded Human Proteins.
FILE REFERENCE: 59.US2.REG
CURRENT APPLICATION NUMBER: US/09/513,999C
CURRENT FILING DATE: 2000-02-24
PRIOR APPLICATION NUMBER: US 60/122,487
PRIOR FILING DATE: 1999-02-26
NUMBER OF SEQ ID NOS: 36681
SOFTWARE: Patent.pm
SEQ ID NO 1746
LENGTH: 388
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: 78..386
FEATURE:
NAME/KEY: misc_feature
LOCATION: 343
OTHER INFORMATION: n=a, g, c or t
FEATURE:
NAME/KEY: misc_feature
LOCATION: 344
OTHER INFORMATION: n=a, g, c or t
FEATURE:
NAME/KEY: misc_feature
LOCATION: 359
OTHER INFORMATION: s=g or c
FEATURE:
NAME/KEY: UNSURE
LOCATION: 89
OTHER INFORMATION: Xaa=His or Leu or Pro or Gln or Arg
FEATURE:
NAME/KEY: UNSURE
LOCATION: 94
OTHER INFORMATION: Xaa=Asp or Glu
US-09-513-999C-1746

Query Match 30.2%; Score 16; DB 3; Length 388;
Best Local Similarity 100.0%; Pred. No. 83;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 30 TAGCGATGAGAGGAG 45
Db 221 TAGCGATGAGAGGAG 236

RESULT 37


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US-09-949-016-47551/c
; Sequence 47551, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FASTSEQ for Windows Version 4.0
; SEQ ID NO 47551
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-47551
```

```
Query Match          30.2%; Score 16; DB 3; Length 601;
Best Local Similarity 100.0%; Pred. No. 80;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY          34 GATGAGGAGGAGTGC 49
Db          544 GATGAGGAGGAGTGC 529
```

```
RESULT 38
US-09-311-021-77
; Sequence 77, Application US/09311021
; Patent No. 6706869
; GENERAL INFORMATION:
; APPLICANT: Wong, Gordon G.
; APPLICANT: Clark, Hilary
; APPLICANT: Fechtel, Kim
; APPLICANT: Agostino, Michael J.
; APPLICANT: Genetics Institute, Inc.
; TITLE OF INVENTION: SECRETED PROTEINS AND POLYPEPTIDES ENCODING THEM
; FILE REFERENCE: GI 6300-11A
; CURRENT APPLICATION NUMBER: US/09/311,021
; CURRENT FILING DATE: 1999-05-13
; NUMBER OF SEQ ID NOS: 268
; SOFTWARE: Patentln Ver. 2.0
; SEQ ID NO 77
; LENGTH: 1238
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-311-021-77
```

```
Query Match          30.2%; Score 16; DB 3; Length 1238;
Best Local Similarity 100.0%; Pred. No. 76;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY          30 TAGCGATGAGGAGG 45
Db          185 TAGCGATGAGGAGG 200
```

```
RESULT 39
US-09-949-016-5746
; Sequence 5746, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
```

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; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FASTSEQ for Windows Version 4.0
; SEQ ID NO 5746
; LENGTH: 3366
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-5746
```

```
Query Match          30.2%; Score 16; DB 3; Length 3366;
Best Local Similarity 100.0%; Pred. No. 70;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY          30 TAGCGATGAGGAGG 45
Db          265 TAGCGATGAGGAGG 280
```

```
RESULT 40
US-09-949-016-17488
; Sequence 17488, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FASTSEQ for Windows Version 4.0
; SEQ ID NO 17488
; LENGTH: 8542
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(8542)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-17488
```

```
Query Match          30.2%; Score 16; DB 3; Length 8542;
Best Local Similarity 100.0%; Pred. No. 65;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY          30 TAGCGATGAGGAGG 45
Db          3050 TAGCGATGAGGAGG 3065
```

```
RESULT 41
US-09-949-016-13139
; Sequence 13139, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
```

```
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 13139
; LENGTH: 95648
; TYPE: DNA
; ORGANISM: Human
; NAME/KEY: misc_feature
; LOCATION: (1)..(95648)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-13139
```

```
Query Match 30.2%; Score 16; DB 3; Length 95648;
Best Local Similarity 100.0%; Pred. No. 53;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 34 GATGAGGAGGTGGCGC 49
Db 16371 GATGAGGAGGTGGCGC 16386
```

```
RESULT 42
US-09-949-016-12505
; Sequence 12505, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: C1001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 12505
; LENGTH: 670689
; TYPE: DNA
; ORGANISM: Human
; NAME/KEY: misc_feature
; LOCATION: (1)..(670689)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-12505
```

```
Query Match 30.2%; Score 16; DB 3; Length 670689;
Best Local Similarity 100.0%; Pred. No. 45;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 37 GAGGAGGAGTGGCGCT 52
Db 167366 GAGGAGGAGTGGCGCT 167381
```

```
RESULT 43
US-09-949-016-14207
; Sequence 14207, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
```

```
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: C1001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 14207
; LENGTH: 670690
; TYPE: DNA
; ORGANISM: Human
; NAME/KEY: misc_feature
; LOCATION: (1)..(670690)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-14207
```

```
Query Match 30.2%; Score 16; DB 3; Length 670690;
Best Local Similarity 100.0%; Pred. No. 45;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 37 GAGGAGGAGTGGCGCT 52
Db 167366 GAGGAGGAGTGGCGCT 167381
```

```
RESULT 44
US-08-917-299-2/c
; Sequence 2, Application US/08917299
; Patent No. 6010855
; GENERAL INFORMATION:
; APPLICANT: JACKSON, Mary
; TITLE OF INVENTION: DESATURASE ANTIGEN OF MYCOBACTERIUM
; TITLE OF INVENTION: TUBERCULOSIS
; NUMBER OF SEQUENCES: 37
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: c/o Flinneg Henderson, Farrabow, Garrett &
; ADDRESSEE: Dunner, L.L.P.
; STREET: 1300 I Street, N.W.
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20005
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/917,299
; FILING DATE: 25-JUL-1997
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/022,713
; FILING DATE: 26-JUL-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: MEYERS, Kenneth J.
; REGISTRATION NUMBER: 25,146
; REFERENCE/DOCKET NUMBER: 03495.0156-00
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202) 408-4400
; TELEFAX: (202) 408-4400
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 33 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
```

TOPOLOGY: not relevant
MOLECULE TYPE: other nucleic acid
DESCRIPTION: /desc = "NUCLEIC ACID"
US-08-917-299-2

Query Match 28.3%; Score 15; DB 3; Length 33;
Best Local Similarity 100.0%; Pred. No. 3.1e+02;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 15 CGACGATGCAGAGCG 29
DB 33 CGACGATGCAGAGCG 19

RESULT 45
US-09-422-662-2/c

Sequence 2, Application US/09422662
Patent No. 6204038

GENERAL INFORMATION:

APPLICANT: JACKSON, Mary

GIOUET, Brigitte

TITLE OF INVENTION: DESATURASE ANTIGEN OF MYCOBACTERIUM
TUBERCULOSIS

NUMBER OF SEQUENCES: 37

CORRESPONDENCE ADDRESS:

ADDRESSEE: c/o Pimnegan Henderson, Farrahbow, Garrett &

STREET: 1300 I Street, N.W.

CITY: Washington

STATE: D.C.

COUNTRY: USA

ZIP: 20005

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/422,662

FILING DATE: 22-Oct-1999

CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/917,299

FILING DATE: <Unknown>

ATTORNEY/AGENT INFORMATION:

NAME: MEYERS, Kenneth J.

REGISTRATION NUMBER: 25,146

REFERENCE/DOCKET NUMBER: 03495.0156-00

TELECOMMUNICATION INFORMATION:

TELEPHONE: (202) 408-4000

TELEFAX: (202) 408-4400

INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:

LENGTH: 33 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: not relevant

MOLECULE TYPE: other nucleic acid

DESCRIPTION: /desc = "NUCLEIC ACID"

SEQUENCE DESCRIPTION: SEQ ID NO: 2:

US-09-422-662-2

Query Match 28.3%; Score 15; DB 3; Length 33;
Best Local Similarity 100.0%; Pred. No. 3.1e+02;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 15 CGACGATGCAGAGCG 29
DB 33 CGACGATGCAGAGCG 19

RESULT 46
US-09-730-763-2/c

Sequence 2, Application US/09730763

Patent No. 6551808

GENERAL INFORMATION:

APPLICANT: JACKSON, Mary

GIOUET, Brigitte

TITLE OF INVENTION: DESATURASE ANTIGEN OF MYCOBACTERIUM
TUBERCULOSIS

NUMBER OF SEQUENCES: 37

CORRESPONDENCE ADDRESS:

ADDRESSEE: c/o Pimnegan Henderson, Farrahbow, Garrett &

STREET: 1300 I Street, N.W.

CITY: Washington

STATE: D.C.

COUNTRY: USA

ZIP: 20005

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/730,763

FILING DATE:

CLASSIFICATION:

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/917,299

FILING DATE:

ATTORNEY/AGENT INFORMATION:

NAME: MEYERS, Kenneth J.

REGISTRATION NUMBER: 25,146

REFERENCE/DOCKET NUMBER: 03495.0156-00

TELECOMMUNICATION INFORMATION:

TELEPHONE: (202) 408-4000

TELEFAX: (202) 408-4400

INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:

LENGTH: 33 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: not relevant

MOLECULE TYPE: other nucleic acid

DESCRIPTION: /desc = "NUCLEIC ACID"

US-09-730-763-2

Query Match 28.3%; Score 15; DB 3; Length 33;
Best Local Similarity 100.0%; Pred. No. 3.1e+02;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 15 CGACGATGCAGAGCG 29
DB 33 CGACGATGCAGAGCG 19

RESULT 47
US-09-429-370-2/c

Sequence 2, Application US/09429370

Patent No. 6573064

GENERAL INFORMATION:

APPLICANT: JACKSON, Mary

GIOUET, Brigitte

TITLE OF INVENTION: METHOD OF SCREENING ANTI-MYCOBACTERIAL MOLECULES

FILE REFERENCE: 03495.0182-00000

CURRENT APPLICATION NUMBER: US/09/429,370

CURRENT FILING DATE: 1999-10-28

NUMBER OF SEQ ID NOS: 45

SOFTWARE: Patentin Ver. 2.0

SEQ ID NO 2

LENGTH: 33

TYPE: DNA

ORGANISM: Artificial Sequence

FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: primer

US-09-429-370-2

Query Match 28.3%; Score 15; DB 3; Length 33;
Best Local Similarity 100.0%; Pred. No. 3.1e+02;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 15 CGACGATCGACGCG 29
DB 33 CGACGATCGACGCG 19

RESULT 48

US-09-230-485-4/C
Sequence 4, Application US/09230485
Patent No. 6582925
GENERAL INFORMATION:
APPLICANT: JACKSON, MARY
APPLICANT: GICQUEL, BRIGITTE
TITLE OF INVENTION: DESATURASE ANTIGEN OF MYCOBACTERIUM TUBERCULOSIS
FILE REFERENCE: 05394.0009-00000
CURRENT APPLICATION NUMBER: US/09/230,485
CURRENT FILING DATE: 1999-04-20
PRIOR APPLICATION NUMBER: PCT/IB97/00923
PRIOR FILING DATE: 1997-07-25
PRIOR APPLICATION NUMBER: 60/022,713
PRIOR FILING DATE: 1996-07-26
NUMBER OF SEQ ID NOS: 18
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 4
LENGTH: 33
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence:
US-09-230-485-4

Query Match 28.3%; Score 15; DB 3; Length 33;
Best Local Similarity 100.0%; Pred. No. 3.1e+02;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 15 CGACGATCGACGCG 29
DB 33 CGACGATCGACGCG 19

RESULT 49

US-08-162-836-1
Sequence 1, Application US/08162836
Patent No. 5554516
GENERAL INFORMATION:
APPLICANT: Daniel L. Kacian
APPLICANT: Diane L. McAllister
APPLICANT: Sherrol H. McDonough
APPLICANT: Nani Bhushan Datta Gupta
TITLE OF INVENTION: NUCLEIC ACID SEQUENCE AMPLIFICATION
TITLE OF INVENTION: METHOD, COMPOSITION AND KIT
NUMBER OF SEQUENCES: 17
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
STREET: 611 West Sixth Street
CITY: Los Angeles
STATE: California
COUNTRY: USA
ZIP: 90017
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb storage
COMPUTER: IBM compatible
OPERATING SYSTEM: IBM P.C. DOS (Version 5.0)
SOFTWARE: Wordperfect (Version 5.1)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/162,836
FILING DATE:

CLASSIFICATION: 435

PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/07/879,686
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Warburg, Richard J.
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER:
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 53
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-162-836-1

Query Match 28.3%; Score 15; DB 2; Length 53;
Best Local Similarity 100.0%; Pred. No. 3e+02;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 24 AGAGCGTAGCGATCA 38
DB 25 AGAGCGTAGCGATCA 39

RESULT 50

US-08-779-341-1
Sequence 1, Application US/08779341
Patent No. 5766890
GENERAL INFORMATION:
APPLICANT: Daniel Louis Kacian
APPLICANT: Diane Lisa McAllister
TITLE OF INVENTION: Method For Suppressing Inhibition
TITLE OF INVENTION: Of Enzyme-Mediated Reactions by
NUMBER OF SEQUENCES: 10
CORRESPONDENCE ADDRESS:
ADDRESSEE: Gen-Probe Incorporated
STREET: 9880 Campus Point Drive
CITY: San Diego
STATE: California
COUNTRY: USA
ZIP: 92121
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb storage
COMPUTER: COMPAQ Prolinea 4/33
OPERATING SYSTEM: Microsoft MS-DOS (Version 6.0)
SOFTWARE: Wordperfect (Version 5.2)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/779,341
FILING DATE: 06-JAN-1997
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/433,991
FILING DATE: 04-MAY-1995
APPLICATION NUMBER: US/08/212,131
FILING DATE: 10-MAR-1994
APPLICATION NUMBER: 07/879,685
FILING DATE: May 6, 1992
ATTORNEY/AGENT INFORMATION:
NAME: Fisher, Carlos A.
REGISTRATION NUMBER: 36,310
REFERENCE/DOCKET NUMBER: GP94/002
TELECOMMUNICATION INFORMATION:
TELEPHONE: (619) 535-2807
TELEFAX: (619) 452-5848
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 53

; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-08-779-341-1

Query Match 28.3%; Score 15; DB 2; Length 53;
Best Local Similarity 100.0%; Pred. No. 3e+02;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 24 AGAGCGTAGCGATGA 38
Db 25 AGAGCGTAGCGATGA 39

Search completed: January 12, 2006, 01:37:19
Job time : 210 secs

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OM nucleic - nucleic search, using sw model

Run on: January 12, 2006, 01:29:03 ; Search time 808 Seconds
(without alignments)
542.422 Million cell updates/sec

Title: US-10-086-206a-2

Perfect score: 53
Sequence: 1 atgacctgcgcgcagcagca.....gatgagagagtgctgcctg 53

Scoring table: OLIGO_NUC
Gapop 60.0 , Gapext 60.0

Searched: 9793542 seqs, 4134689005 residues

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Database :

Published Applications NA.Main:*
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Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	53	100.0	53	6	US-10-086-206-2
2	40	75.5	77	6	US-10-086-206-1
3	40	75.5	86114	6	US-10-080-170-648
4	40	75.5	86114	7	US-10-080-170-648
5	40	75.5	86114	8	US-10-468-356-648
6	20	37.7	2464	7	US-10-606-060A-3
7	20	37.7	2464	7	US-10-606-060A-4
8	19	35.8	399	7	US-10-437-963-100131
9	19	35.8	461	8	US-10-653-047-2252
10	19	35.8	2187	7	US-10-437-963-26020
11	18	34.0	1287	7	US-10-282-122A-26164
12	18	34.0	1290	7	US-10-282-122A-26483
13	18	34.0	2731748	7	US-10-297-465A-1
14	17	32.1	268	7	US-10-437-963-51997
15	17	32.1	268	10	US-11-065-977A-24
16	17	32.1	280	6	US-10-305-720-893
17	17	32.1	300	9	US-10-779-543-3332
18	17	32.1	391	8	US-10-425-115-11421
19	17	32.1	414	7	US-10-437-963-49435
20	17	32.1	558	7	US-10-767-701-12378
21	17	32.1	660	7	US-10-425-114-1785
22	17	32.1	672	7	US-10-425-114-32377
23	17	32.1	791	8	US-10-425-115-30511

24	17	32.1	796	3	US-09-981-876-24	Sequence 24, Appl
25	17	32.1	796	3	US-09-148-545-24	Sequence 24, Appl
26	17	32.1	796	3	US-10-979-111-24	Sequence 24, Appl
27	17	32.1	855	3	US-09-981-876-89	Sequence 89, Appl
28	17	32.1	855	3	US-09-148-545-89	Sequence 89, Appl
29	17	32.1	855	9	US-10-979-111-89	Sequence 89, Appl
30	17	32.1	1015	9	US-10-450-763-18397	Sequence 18397, A
31	17	32.1	1034	7	US-10-437-963-96792	Sequence 96792, A
32	17	32.1	1103	8	US-10-425-115-30514	Sequence 30514, A
33	17	32.1	1210	3	US-09-909-320-126	Sequence 126, App
34	17	32.1	1210	3	US-09-909-088B-126	Sequence 126, App
35	17	32.1	1210	3	US-09-905-291A-126	Sequence 126, App
36	17	32.1	1210	3	US-09-902-853-126	Sequence 126, App
37	17	32.1	1210	3	US-09-907-824-126	Sequence 126, App
38	17	32.1	1210	3	US-09-907-841-126	Sequence 126, App
39	17	32.1	1210	3	US-09-904-011-126	Sequence 126, App
40	17	32.1	1210	3	US-09-903-640-126	Sequence 126, App
41	17	32.1	1210	3	US-09-908-093-126	Sequence 126, App
42	17	32.1	1210	3	US-09-906-742-126	Sequence 126, App
43	17	32.1	1210	3	US-09-906-838-126	Sequence 126, App
44	17	32.1	1210	3	US-09-907-613-126	Sequence 126, App
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422	17	32.1	1210	US-10-147-497-311	Sequence 311, App	495	17	32.1	1210	6	US-10-145-878-311	Sequence 311, App
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ALIGNMENTS

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RESULT 1
US-10-086-206-2
; Sequence 2, Application US/10086206
; Publication No. US20030124546A1
; GENERAL INFORMATION:
; APPLICANT: Magdalena, J
; APPLICANT: Supply, P
; APPLICANT: Lecht, C
; TITLE OF INVENTION: M. TUBERCULOSIS COMPLEX MEMBERS MYCOBACTERIA SPECIFIC
; TITLE OF INVENTION: NUCLEIC ACID FRAGMENTS AND THEIR APPLICATIONS FOR THE
; TITLE OF INVENTION: DETECTION AND DIFFERENTIAL DIAGNOSIS OF M. TUBERCULOSIS
; FILE REFERENCE: 408.014
; CURRENT APPLICATION NUMBER: US/10/086,206
; PRIOR APPLICATION NUMBER: 2002-02-28
; PRIOR FILING DATE: 1997-08-12
; PRIOR APPLICATION NUMBER: FR 96/10277
; PRIOR FILING DATE: 1996-08-19
; NUMBER OF SEQ ID NOS: 11
; SOFTWARE: Patentn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 53
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
US-10-086-206-2

Query Match 100.0%; Score 53; DB 6; Length 53;
Best Local Similarity 100.0%; Pred. No. 7.6e-18;
Matches 53; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
RESULT 2
US-10-086-206-1
; Sequence 1, Application US/10086206
; Publication No. US20030124546A1
```

```
; GENERAL INFORMATION:
; APPLICANT: Magdalena, J
; APPLICANT: Supply, P
; APPLICANT: Lecht, C
; TITLE OF INVENTION: M. TUBERCULOSIS COMPLEX MEMBERS MYCOBACTERIA SPECIFIC
; TITLE OF INVENTION: NUCLEIC ACID FRAGMENTS AND THEIR APPLICATIONS FOR THE
; TITLE OF INVENTION: DETECTION AND DIFFERENTIAL DIAGNOSIS OF M. TUBERCULOSIS
; FILE REFERENCE: 408.014
; CURRENT APPLICATION NUMBER: US/10/086,206
; PRIOR APPLICATION NUMBER: 2002-02-28
; PRIOR FILING DATE: 1997-08-12
; PRIOR APPLICATION NUMBER: PCT/FR97/01483
; PRIOR FILING DATE: 1997-08-12
; PRIOR APPLICATION NUMBER: FR 96/10277
; NUMBER OF SEQ ID NOS: 11
; SOFTWARE: Patentn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 77
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
US-10-086-206-1

Query Match 75.5%; Score 40; DB 6; Length 77;
Best Local Similarity 100.0%; Pred. No. 4.3e-11;
Matches 40; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
RESULT 3
US-10-080-170-648
; Sequence 648, Application US/10080170
; Publication No. US20030129601A1
; GENERAL INFORMATION:
; APPLICANT: COLE, S.T.
; TITLE OF INVENTION: COMPARATIVE MYCOBACTERIAL GENOMICS AS A TOOL FOR
; TITLE OF INVENTION: IDENTIFYING TARGETS FOR THE DIAGNOSIS, PROPHYLAXIS OR
; TITLE OF INVENTION: TREATMENT OF MYCOBACTERIOSSES
; FILE REFERENCE: 03495.0218
; CURRENT APPLICATION NUMBER: US/10/080,170
; PRIOR FILING DATE: 2002-06-10
; PRIOR APPLICATION NUMBER: 60/270,123
; PRIOR FILING DATE: 2001-02-22
; NUMBER OF SEQ ID NOS: 652
; SOFTWARE: Patentn Ver. 2.1
; SEQ ID NO 648
; LENGTH: 86114
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
US-10-080-170-648

Query Match 75.5%; Score 40; DB 6; Length 86114;
Best Local Similarity 100.0%; Pred. No. 1.3e-11;
Matches 40; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
RESULT 4
US-10-080-170-648
; Sequence 648, Application US/10080170
; Publication No. US20040121322A9
; GENERAL INFORMATION:
; APPLICANT: COLE, S.T.
; TITLE OF INVENTION: COMPARATIVE MYCOBACTERIAL GENOMICS AS A TOOL FOR
; TITLE OF INVENTION: IDENTIFYING TARGETS FOR THE DIAGNOSIS, PROPHYLAXIS OR
; TITLE OF INVENTION: TREATMENT OF MYCOBACTERIOSSES
; FILE REFERENCE: 03495.0218
```

```
; CURRENT APPLICATION NUMBER: US/10/080,170
; CURRENT FILING DATE: 2002-06-10
; PRIOR APPLICATION NUMBER: 60/270,123
; PRIOR FILING DATE: 2001-02-22
; NUMBER OF SEQ ID NOS: 652
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 648
; LENGTH: 86114
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
US-10-080-170-648
```

```
Query Match 75.5%; Score 40; DB 7; Length 86114;
Best Local Similarity 100.0%; Pred. No. 1.3e-11;
Matches 40; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy 1 ATGACCTGGCGCCGACGATGCGAGCGGTAGCGATGAGG 40
Db 67175 ATGACCTGGCGCCGACGATGCGAGCGGTAGCGATGAGG 67214
```

```
RESULT 5
US-10-468-356-648
; Sequence 648, Application US/10468356
; Publication No. US20040197896A1
; GENERAL INFORMATION:
; APPLICANT: COLE, STEWART
; TITLE OF INVENTION: COMPARATIVE MYCOBACTERIAL GENOMICS AS A TOOL FOR
; TITLE OF INVENTION: IDENTIFYING TARGETS FOR THE DIAGNOSIS, PROPHYLAXIS OR
; FILE REFERENCE: 05394.0019
; CURRENT APPLICATION NUMBER: US/10/468,356
; CURRENT FILING DATE: 2003-08-19
; PRIOR APPLICATION NUMBER: 10/080,170
; PRIOR FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/270,123
; PRIOR FILING DATE: 2001-02-22
; NUMBER OF SEQ ID NOS: 655
; SOFTWARE: Patentin Ver. 3.2
; SEQ ID NO 648
; LENGTH: 86114
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
US-10-468-356-648
```

```
Query Match 75.5%; Score 40; DB 8; Length 86114;
Best Local Similarity 100.0%; Pred. No. 1.3e-11;
Matches 40; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy 1 ATGACCTGGCGCCGACGATGCGAGCGGTAGCGATGAGG 40
Db 67175 ATGACCTGGCGCCGACGATGCGAGCGGTAGCGATGAGG 67214
```

```
RESULT 6
US-10-606-060A-3
; Sequence 3, Application US/10606060A
; Publication No. US20040058369A1
; GENERAL INFORMATION:
; APPLICANT: Syngenta
; APPLICANT: Jepsen, Ian
; APPLICANT: Martinez, Alberto
; APPLICANT: Greenland, Andrew James
; TITLE OF INVENTION: A GENE SWITCH
; FILE REFERENCE: 1392/4/3/2
; CURRENT APPLICATION NUMBER: US/10/606,060A
; CURRENT FILING DATE: 2003-06-25
; PRIOR APPLICATION NUMBER: US 08/653,648
; PRIOR FILING DATE: 1996-05-24
; PRIOR APPLICATION NUMBER: US 09/564,418
; PRIOR FILING DATE: 2000-05-03
; NUMBER OF SEQ ID NOS: 59
; SOFTWARE: Patentin version 3.2
```

```
; SEQ ID NO 3
; LENGTH: 2464
; TYPE: DNA
; ORGANISM: Heliothis virescens
; FEATURE:
; NAME/KEY: misc
; LOCATION: (2241)..(2241)
; OTHER INFORMATION: n is a, c, g, or t
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (2241)..(2241)
; OTHER INFORMATION: n is a, c, g, or t
US-10-606-060A-3
```

```
Query Match 37.7%; Score 20; DB 7; Length 2464;
Best Local Similarity 100.0%; Pred. No. 0.64;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy 11 CCGAGCAGCATGCGAGCGGT 30
Db 1823 CCGAGCAGCATGCGAGCGGT 1842
```

```
RESULT 7
US-10-606-060A-4
; Sequence 4, Application US/10606060A
; Publication No. US20040058369A1
; GENERAL INFORMATION:
; APPLICANT: Syngenta
; APPLICANT: Jepsen, Ian
; APPLICANT: Martinez, Alberto
; APPLICANT: Greenland, Andrew James
; TITLE OF INVENTION: A GENE SWITCH
; FILE REFERENCE: 1392/4/3/2
; CURRENT APPLICATION NUMBER: US/10/606,060A
; CURRENT FILING DATE: 2003-06-25
; PRIOR APPLICATION NUMBER: US 08/653,648
; PRIOR FILING DATE: 1996-05-24
; PRIOR APPLICATION NUMBER: US 09/564,418
; PRIOR FILING DATE: 2000-05-03
; NUMBER OF SEQ ID NOS: 59
; SOFTWARE: Patentin version 3.2
; SEQ ID NO 4
; LENGTH: 2464
; TYPE: DNA
; ORGANISM: Heliothis virescens
; FEATURE:
; NAME/KEY: misc
; LOCATION: (2241)..(2241)
; OTHER INFORMATION: n=a, c, g, or t
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (2241)..(2241)
; OTHER INFORMATION: n is a, c, g, or t
US-10-606-060A-4
```

```
Query Match 37.7%; Score 20; DB 7; Length 2464;
Best Local Similarity 100.0%; Pred. No. 0.64;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy 11 CCGAGCAGCATGCGAGCGGT 30
Db 1823 CCGAGCAGCATGCGAGCGGT 1842

RESULT 8
US-10-437-963-100131
; Sequence 100131, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
```



```
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated with
; FILE REFERENCE: 38-21(53221)B
; CURRENT APPLICATION NUMBER: US/10/437,963
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 100131
; LENGTH: 399
; TYPE: DNA
; ORGANISM: Oryza sativa
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT4530_97878C.1
US-10-437-963-100131
```

```
Query Match 35.8%; Score 19; DB 7; Length 399;
Best Local Similarity 100.0%; Pred. No. 2.9;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 33 CGATGAGGAGAGTGGCGC 51
Db 174 CGATGAGGAGAGTGGCGC 192
```

```
RESULT 9
US-10-653-047-2252/C
; Sequence 2252, Application US/10653047
; Publication No. US20040229367A1
; GENERAL INFORMATION:
; APPLICANT: Randy M. Berka
; APPLICANT: Michael W. Rey
; APPLICANT: Jeffrey R. Shuster
; APPLICANT: Sakari Kauppinen
; APPLICANT: Id Groth Clausen
; APPLICANT: Peter Bjørke Olsen
; TITLE OF INVENTION: Methods For Monitoring Multiple Gene
; FILE REFERENCE: 5849 200-US
; CURRENT APPLICATION NUMBER: US/10/653,047
; CURRENT FILING DATE: 2003-08-29
; PRIOR APPLICATION NUMBER: US/09/533,559
; PRIOR FILING DATE: 2000-03-22
; PRIOR APPLICATION NUMBER: 09/273,623
; PRIOR FILING DATE: 1999-03-22
; NUMBER OF SEQ ID NOS: 7860
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2252
; LENGTH: 461
; TYPE: DNA
; ORGANISM: Fusarium venenatum
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(461)
; OTHER INFORMATION: n = A,T,C or G
US-10-653-047-2252
```

```
Query Match 35.8%; Score 19; DB 8; Length 461;
Best Local Similarity 100.0%; Pred. No. 2.9;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 25 GAGGTAGCGATGAGGAG 43
Db 77 GAGGTAGCGATGAGGAG 59
```

```
RESULT 10
US-10-437-963-26020
; Sequence 26020, Application US/10437963
; Publication No. US20040123343A1
```

```
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovacic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated with
; FILE REFERENCE: 38-21(53221)B
; CURRENT APPLICATION NUMBER: US/10/437,963
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 26020
; LENGTH: 2187
; TYPE: DNA
; ORGANISM: Oryza sativa
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT4530_30850C.1
US-10-437-963-26020
```

```
Query Match 35.8%; Score 19; DB 7; Length 2187;
Best Local Similarity 100.0%; Pred. No. 2.2;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 10 GCCGACGACGATGCAGAGC 28
Db 637 GCCGACGACGATGCAGAGC 655
```

```
RESULT 11
US-10-282-122A-26164
; Sequence 26164, Application US/10282122A
; Publication No. US20040029129A1
; GENERAL INFORMATION:
; APPLICANT: Wang, Liangsu
; APPLICANT: Zamudio, Carlos
; APPLICANT: Malone, Cheryl
; APPLICANT: Haselbeck, Robert
; APPLICANT: Ohlsen, Kari
; APPLICANT: Zytkind, Judith
; APPLICANT: Wall, Daniel
; APPLICANT: Trawick, John
; APPLICANT: Carr, Grant
; APPLICANT: Yamamoto, Robert
; APPLICANT: Forsyth, R.
; APPLICANT: Xu, H.
; TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
; FILE REFERENCE: ELITRA.034A
; CURRENT APPLICATION NUMBER: US/10/282,122A
; CURRENT FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: 60/191,078
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/206,848
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/207,727
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/230,335
; PRIOR FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: 60/230,347
; PRIOR FILING DATE: 2000-09-09
; PRIOR APPLICATION NUMBER: 60/242,578
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/253,625
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/257,931
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/267,636
; PRIOR FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/269,308
; PRIOR FILING DATE: 2001-02-16
```


Remaining Prior Application data removed - See File Wrapper or PALM.

NUMBER OF SEQ ID NOS: 78614

SOFTWARE: PatentIn version 3.1

SEQ ID NO 26164

LENGTH: 1287

TYPE: DNA

ORGANISM: Mycobacterium bovis

US-10-282-122A-26164

Query Match 34.0%; Score 18; DB 7; Length 1287;

Best Local Similarity 100.0%; Pred. No. 7.9;

Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 8 GCGCGAGCAGCATGCAG 25

DB 8 GCGCGAGCAGCATGCAG 25

RESULT 12

US-10-282-122A-28483

Sequence 28483, Application US/10282122A

Publication No. US20040029129A1

GENERAL INFORMATION:

APPLICANT: Wang, Liangsu

APPLICANT: Zamudio, Carlos

APPLICANT: Malone, Cheryl

APPLICANT: Haselbeck, Robert

APPLICANT: Ohlsen, Karl

APPLICANT: Zyskind, Judith

APPLICANT: Wall, Daniel

APPLICANT: Trawick, John

APPLICANT: Carr, Grant

APPLICANT: Yamamoto, Robert

APPLICANT: Foreyth, R.

APPLICANT: Xu, H.

TITLE OF INVENTION: Identification of Essential Genes in Microorganisms

FILE REFERENCE: ELIPIRA.034A

CURRENT APPLICATION NUMBER: US/10/282,122A

PRIOR FILING DATE: 2003-02-20

PRIOR APPLICATION NUMBER: 60/191,078

PRIOR FILING DATE: 2000-03-21

PRIOR APPLICATION NUMBER: 60/206,848

PRIOR FILING DATE: 2000-05-23

PRIOR APPLICATION NUMBER: 60/207,727

PRIOR FILING DATE: 2000-05-26

PRIOR APPLICATION NUMBER: 60/230,335

PRIOR FILING DATE: 2000-09-06

PRIOR APPLICATION NUMBER: 60/230,347

PRIOR FILING DATE: 2000-09-09

PRIOR APPLICATION NUMBER: 60/242,578

PRIOR FILING DATE: 2000-10-23

PRIOR APPLICATION NUMBER: 60/253,625

PRIOR FILING DATE: 2000-11-27

PRIOR APPLICATION NUMBER: 60/257,931

PRIOR FILING DATE: 2000-12-22

PRIOR APPLICATION NUMBER: 60/267,636

PRIOR FILING DATE: 2001-02-09

PRIOR APPLICATION NUMBER: 60/269,308

PRIOR FILING DATE: 2001-02-16

Remaining Prior Application data removed - See File Wrapper or PALM.

NUMBER OF SEQ ID NOS: 78614

SOFTWARE: PatentIn version 3.1

SEQ ID NO 28483

LENGTH: 1290

TYPE: DNA

ORGANISM: Mycobacterium tuberculosis

US-10-282-122A-28483

Query Match 34.0%; Score 18; DB 7; Length 1290;

Best Local Similarity 100.0%; Pred. No. 7.9;

Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 8 GCGCGAGCAGCATGCAG 25

DB 8 GCGCGAGCAGCATGCAG 25

RESULT 13

US-10-297-465A-1/c

Sequence 1, Application US/10297465A

Publication No. US20040142413A1

GENERAL INFORMATION:

APPLICANT: Simpson, Andrew

APPLICANT: Reinach, Fernando

APPLICANT: Setubal, Joao

APPLICANT: Medianeira, Joao

APPLICANT: Arruda, Paulo

TITLE OF INVENTION: Isolated genome of Xylella fastidiosa and Uses Thereof

FILE REFERENCE: PABESP 202 US (10213376)

CURRENT APPLICATION NUMBER: US/10/297,465A

PRIOR FILING DATE: 2001-06-07

PRIOR APPLICATION NUMBER: PCT/IB01/01618

PRIOR FILING DATE: 2001-06-07

PRIOR APPLICATION NUMBER: 60/209,906

PRIOR FILING DATE: 2001-06-17

SOFTWARE: PatentIn version 3.2

SEQ ID NO 1

LENGTH: 2731748

TYPE: DNA

ORGANISM: Xylella fastidiosa

US-10-297-465A-1

Query Match 34.0%; Score 18; DB 7; Length 2731748;

Best Local Similarity 100.0%; Pred. No. 2.1;

Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 25 GAGCGTAGCATGCAG 42

DB 2263111 GAGCGTAGCATGCAG 2263094

RESULT 14

US-10-437-963-51997/c

Sequence 51997, Application US/10437963

Publication No. US20040123343A1

GENERAL INFORMATION:

APPLICANT: La Rosa, Thomas J.

APPLICANT: Kovalic, David K.

APPLICANT: Zhou, Yihua

APPLICANT: Cao, Yongwei

APPLICANT: Wu, Wei

APPLICANT: Boukharov, Andrey A.

APPLICANT: Barbazuk, Brad

APPLICANT: Li, Ping

TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With

FILE REFERENCE: 38-21(53221)B

CURRENT APPLICATION NUMBER: US/10/437,963

PRIOR FILING DATE: 2003-05-14

NUMBER OF SEQ ID NOS: 204966

SEQ ID NO 51997

LENGTH: 268

TYPE: DNA

ORGANISM: Oryza sativa

FEATURE:

NAME/KEY: unsure

LOCATION: (1)..(268)

OTHER INFORMATION: unsure at all n locations

FEATURE:

OTHER INFORMATION: Clone ID: PAT_MRT4530_54336C.1

US-10-437-963-51997

Query Match 32.1%; Score 17; DB 7; Length 268;

Best Local Similarity 100.0%; Pred. No. 35;

Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 8 GCGCGAGCAGCATGCAG 25

DB 8 GCGCGAGCAGCATGCAG 25

Qy 10 GCCGACGACGATGCAGA 26
Db 140 GCCGACGACGATGCAGA 124

RESULT 15

US-11-065-977A-24/C
; Sequence 24, Application US/11065977A
; Publication No. US20050204430A1
; GENERAL INFORMATION:
; APPLICANT: BLUMFELD, Eduardo
; APPLICANT: APSE, Maris
; APPLICANT: SNEDDEN, Wayne
; APPLICANT: AHARON, Gilad
; TITLE OF INVENTION: GENETIC ENGINEERING SALT TOLERANCE IN
; FILE REFERENCE: 529642000210
; CURRENT APPLICATION NUMBER: US/11/065,977A
; CURRENT FILING DATE: 2005-02-24
; PRIOR APPLICATION NUMBER: US 60/078,474
; PRIOR FILING DATE: 1998-03-18
; PRIOR APPLICATION NUMBER: US 60/116,111
; PRIOR FILING DATE: 1999-01-15
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 24
; LENGTH: 268
; TYPE: DNA
; ORGANISM: Oryza sativa
; NAME/KEY: misc feature
; LOCATION: 69, 217, 223, 249
; OTHER INFORMATION: n = A,T,C or G
US-11-065-977A-24

Query Match 32.1%; Score 17; DB 10; Length 268;
Best Local Similarity 100.0%; Pred. No. 35;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 10 GCCGACGACGATGCAGA 26
Db 140 GCCGACGACGATGCAGA 124

RESULT 16

US-10-305-720-893
; Sequence 893, Application US/10305720
; Publication No. US20040010136A1
; GENERAL INFORMATION:
; APPLICANT: Au-Young, Janice K.; Seilhamer, Jeffrey J.
; TITLE OF INVENTION: Composition for the Detection of Signaling Pathway Gene Expression
; FILE REFERENCE: PA-0002-1 CON
; CURRENT APPLICATION NUMBER: US/10/305,720
; CURRENT FILING DATE: 2002-11-26
; PRIOR APPLICATION NUMBER: 09/016,434
; PRIOR FILING DATE: 1998-01-30
; NUMBER OF SEQ ID NOS: 1490
; SOFTWARE: PERL Program
; SEQ ID NO 893
; LENGTH: 280
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. US20040010136A1 696484
; NAME/KEY: unsure
; LOCATION: (1) ... (280)
; OTHER INFORMATION: a, t, c, g, or other
US-10-305-720-893

Query Match 32.1%; Score 17; DB 6; Length 280;

Best Local Similarity 100.0%; Pred. No. 34;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 31 AGCGATGAGGAGGATG 47
Db 154 AGCGATGAGGAGGATG 170

RESULT 17

US-10-779-543-3332
; Sequence 3332, Application US/10779543
; Publication No. US20050227917A1
; GENERAL INFORMATION:
; APPLICANT: Williams et al
; TITLE OF INVENTION: GENE PRODUCTS DIFFERENTIALLY EXPRESSED
; FILE REFERENCE: 2300-21302
; CURRENT APPLICATION NUMBER: US/10/779,543
; CURRENT FILING DATE: 2004-02-12
; PRIOR APPLICATION NUMBER: 10/076,555
; PRIOR FILING DATE: 2002-02-15
; PRIOR APPLICATION NUMBER: 09/217,471
; PRIOR FILING DATE: 1998-12-21
; PRIOR APPLICATION NUMBER: 60/068,755
; PRIOR FILING DATE: 1997-12-23
; PRIOR APPLICATION NUMBER: 60/080,664
; PRIOR FILING DATE: 1998-04-03
; PRIOR APPLICATION NUMBER: 60/105,234
; PRIOR FILING DATE: 1998-10-21
; PRIOR APPLICATION NUMBER: 09/297,648
; PRIOR FILING DATE: 2000-04-10
; PRIOR APPLICATION NUMBER: PCT/US99/01619
; PRIOR FILING DATE: 1999-01-28
; PRIOR APPLICATION NUMBER: 60/072,910
; PRIOR FILING DATE: 1998-01-28
; PRIOR APPLICATION NUMBER: 60/075,954
; PRIOR FILING DATE: 1998-02-24
; PRIOR APPLICATION NUMBER: 60/080,114
; PRIOR FILING DATE: 1998-03-31
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 23767
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3332
; LENGTH: 300
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-779-543-3332

Query Match 32.1%; Score 17; DB 9; Length 300;
Best Local Similarity 100.0%; Pred. No. 34;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 31 AGCGATGAGGAGGATG 47
Db 257 AGCGATGAGGAGGATG 273

RESULT 18

US-10-425-115-111421/C
; Sequence 111421, Application US/10425115
; Publication No. US20040214272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21 (53222)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 111421

/ LENGTH: 391
/ TYPE: DNA
/ ORGANISM: Zea mays
/ FEATURE:
/ OTHER INFORMATION: Clone ID: MRT4577_33105C.1
US-10-425-115-111421

Query Match 32.1%; Score 17; DB 8; Length 391;
Best Local Similarity 100.0%; Pred. No. 33;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 13 GACGACGATGCAGCG 29
Db 269 GACGACGATGCAGCG 253

RESULT 19
US-10-437-963-49435
; Sequence 49435, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovall, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated with
; FILE REFERENCE: 38-21(53221)B
; CURRENT APPLICATION NUMBER: US/10/437, 963
; NUMBER OF SEQ ID NOS: 2003-05-14
; SEQ ID NO 49435
; LENGTH: 414
; TYPE: DNA
; ORGANISM: Oryza sativa
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT4530_52017C.1
US-10-437-963-49435

Query Match 32.1%; Score 17; DB 7; Length 414;
Best Local Similarity 100.0%; Pred. No. 32;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 34 GATGAGGAGGATGCG 50
Db 340 GATGAGGAGGATGCG 356

RESULT 20
US-10-767-701-12378
; Sequence 12378, Application US/10767701
; Publication No. US20040172684A1
; GENERAL INFORMATION:
; APPLICANT: Kovall, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated with
; FILE REFERENCE: 38-21(53535)B
; CURRENT APPLICATION NUMBER: US/10/767, 701
; NUMBER OF SEQ ID NOS: 2004-01-29
; SEQ ID NO 12378
; LENGTH: 558
; TYPE: DNA
; ORGANISM: Sorghum bicolor
; FEATURE:
; OTHER INFORMATION: Clone ID: LIBS047-010-R1-XPI-A6
US-10-767-701-12378

Query Match 32.1%; Score 17; DB 7; Length 558;
Best Local Similarity 100.0%; Pred. No. 31;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 12 CGACGACGATGCAGAC 28
Db 79 CGACGACGATGCAGAC 95

RESULT 21
US-10-425-114-1785/c
; Sequence 1785, Application US/10425114
; Publication No. US20040034888A1
; GENERAL INFORMATION:
; APPLICANT: Liu, Jindong
; APPLICANT: Zhou, Yihua
; APPLICANT: Kovall, David K.
; APPLICANT: Screen, Steven E
; APPLICANT: Tabaska, Jack E
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated with
; FILE REFERENCE: 38-21(53313)B
; CURRENT APPLICATION NUMBER: US/10/425, 114
; NUMBER OF SEQ ID NOS: 2003-04-28
; SEQ ID NO 1785
; LENGTH: 660
; TYPE: DNA
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: 700167130_FLI
US-10-425-114-1785

Query Match 32.1%; Score 17; DB 7; Length 660;
Best Local Similarity 100.0%; Pred. No. 30;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 37 GAGGAGAGTGGCGCTG 53
Db 150 GAGGAGAGTGGCGCTG 134

RESULT 22
US-10-425-114-32377/c
; Sequence 32377, Application US/10425114
; Publication No. US20040034888A1
; GENERAL INFORMATION:
; APPLICANT: Liu, Jindong
; APPLICANT: Zhou, Yihua
; APPLICANT: Kovall, David K.
; APPLICANT: Screen, Steven E
; APPLICANT: Tabaska, Jack E
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated with
; FILE REFERENCE: 38-21(53313)B
; CURRENT APPLICATION NUMBER: US/10/425, 114
; NUMBER OF SEQ ID NOS: 2003-04-28
; SEQ ID NO 32377
; LENGTH: 672
; TYPE: DNA
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: UC-ZMFLB73303D03_FLI
US-10-425-114-32377

Query Match 32.1%; Score 17; DB 7; Length 672;
Best Local Similarity 100.0%; Pred. No. 30;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 37 GAGGAGAGTGGCGCTG 53
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Db 421 GAGGAGAGTGGCGCTG 405
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RESULT 23
US-10-425-115-30511/c
; Sequence 30511, Application US/10425115
; Publication No. US20040214272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated with
; FILE REFERENCE: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 30511
; LENGTH: 791
; TYPE: DNA
; ORGANISM: Zea mays
; FEATURES:
; OTHER INFORMATION: Clone ID: MFT4577_127836C.1
US-10-425-115-30511
Query Match 32.1%; Score 17; DB 8; Length 791;
Best Local Similarity 100.0%; Pred. No. 29;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 37 GAGGAGAGTGGCGCTG 53
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Db 303 GAGGAGAGTGGCGCTG 287
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RESULT 24
US-09-981-876-24
; Sequence 24, Application US/09981876
; Patent No. US2002016469A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: 70 Human Secreted Proteins
; FILE REFERENCE: P2001P1
; CURRENT APPLICATION NUMBER: US/09/981,876
; CURRENT FILING DATE: 2001-10-19
; PRIOR APPLICATION NUMBER: 09/148,545
; PRIOR FILING DATE: 1998-09-04
; PRIOR APPLICATION NUMBER: 60/040,162
; PRIOR FILING DATE: 1997-03-07
; PRIOR APPLICATION NUMBER: 60/040,333
; PRIOR FILING DATE: 1997-03-07
; PRIOR APPLICATION NUMBER: 60/038,621
; PRIOR FILING DATE: 1997-03-07
; PRIOR APPLICATION NUMBER: 60/040,161
; PRIOR FILING DATE: 1997-03-07
; PRIOR APPLICATION NUMBER: 60/040,626
; PRIOR FILING DATE: 1997-03-07
; PRIOR APPLICATION NUMBER: 60/040,334
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; PRIOR FILING DATE: 1997-06-06
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;; PRIOR FILING DATE: 1997-08-22
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;; PRIOR APPLICATION NUMBER: 60/056,632
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;; PRIOR FILING DATE: 1997-08-22
;; PRIOR APPLICATION NUMBER: 60/056,908
;; PRIOR FILING DATE: 1997-08-22
;; PRIOR APPLICATION NUMBER: 60/048,964
;; PRIOR FILING DATE: 1997-06-06
;; PRIOR APPLICATION NUMBER: 60/057,650
;; PRIOR FILING DATE: 1997-09-05
;; PRIOR APPLICATION NUMBER: 60/056,884
;; PRIOR FILING DATE: 1997-08-22
;; NUMBER OF SEQ ID NOS: 280
;; SOFTWARE: Patentin Ver. 2.0
;; SEQ ID NO 24
;; LENGTH: 796

Query Match 32.1%; Score 17; DB 3; Length 796;
Best Local Similarity 100.0%; Pred. No. 29;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 31 AGCGATGAGGAGGAGTG 47
DB 246 AGCGATGAGGAGGAGTG 262

RESULT 25
US-09-148-545-24
; Sequence 24, Application US/09148545
; Publication No. US20030027132A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: 70 Human Secreted Proteins
; FILE REFERENCE: P2001P1
; CURRENT FILING DATE: 1998-09-04
; EARLIER APPLICATION NUMBER: PCT/US98/04482
; EARLIER FILING DATE: 1998-03-06
; EARLIER APPLICATION NUMBER: 60/040,162
; EARLIER FILING DATE: 1997-03-07
; EARLIER APPLICATION NUMBER: 60/040,333
; EARLIER FILING DATE: 1997-03-07
; EARLIER APPLICATION NUMBER: 60/038,621
; EARLIER FILING DATE: 1997-03-07
; EARLIER APPLICATION NUMBER: 60/040,161
; EARLIER FILING DATE: 1997-03-07
; EARLIER APPLICATION NUMBER: 60/040,626
; EARLIER FILING DATE: 1997-03-07
; EARLIER APPLICATION NUMBER: 60/040,334
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; EARLIER APPLICATION NUMBER: 60/040,336
; EARLIER FILING DATE: 1997-03-07
; EARLIER APPLICATION NUMBER: 60/040,163
; EARLIER FILING DATE: 1997-03-07
; EARLIER APPLICATION NUMBER: 60/047,615
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,600
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,597
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,502
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,633
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,583
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,617
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,618

[illegible]

EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,908
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/048,964
EARLIER FILING DATE: 1997-06-06
EARLIER APPLICATION NUMBER: 60/057,650
EARLIER FILING DATE: 1997-09-05
EARLIER APPLICATION NUMBER: 60/056,884
EARLIER FILING DATE: 1997-08-22
NUMBER OF SEQ ID NOS: 280
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 24
LENGTH: 796

Query Match 32.1%; Score 17; DB 3; Length 796;
Best Local Similarity 100.0%; Pred. No. 29;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 31 AGCGATGAGGAGGAGTG 47
Db 246 AGCGATGAGGAGGAGTG 262

RESULT 26
US-10-979-111-24
Sequence 24, Application US/10979111
Publication No. US20050215775A1
GENERAL INFORMATION:
APPLICANT: Rosen et al.
TITLE OF INVENTION: 70 Human Secreted Proteins
FILE REFERENCE: P2001P1
CURRENT APPLICATION NUMBER: US/10/979,111
CURRENT FILING DATE: 2004-11-02
PRIOR APPLICATION NUMBER: US/09/621,011
PRIOR FILING DATE: 2000-07-20
PRIOR APPLICATION NUMBER: 09/148,545
PRIOR FILING DATE: 1998-09-04
PRIOR APPLICATION NUMBER: 60/040,162
PRIOR FILING DATE: 1997-03-07
PRIOR APPLICATION NUMBER: 60/040,333
PRIOR FILING DATE: 1997-03-07
PRIOR APPLICATION NUMBER: 60/038,621
PRIOR FILING DATE: 1997-03-07
PRIOR APPLICATION NUMBER: 60/040,161
PRIOR FILING DATE: 1997-03-07
PRIOR APPLICATION NUMBER: 60/040,626
PRIOR FILING DATE: 1997-03-07
PRIOR APPLICATION NUMBER: 60/040,334
PRIOR FILING DATE: 1997-03-07
PRIOR APPLICATION NUMBER: 60/040,336
PRIOR FILING DATE: 1997-03-07
PRIOR APPLICATION NUMBER: 60/040,163
PRIOR FILING DATE: 1997-03-07
Remainder Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 280
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 24
LENGTH: 796
TYPE: DNA
ORGANISM: Homo sapiens
US-10-979-111-24

Query Match 32.1%; Score 17; DB 9; Length 796;
Best Local Similarity 100.0%; Pred. No. 29;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 31 AGCGATGAGGAGGAGTG 47
Db 246 AGCGATGAGGAGGAGTG 262

RESULT 27
US-09-981-876-89

Sequence 89, Application US/09981876
Patent No. US20020164692A1
GENERAL INFORMATION:
APPLICANT: Rosen et al.
TITLE OF INVENTION: 70 Human Secreted Proteins
FILE REFERENCE: P2001P1
CURRENT APPLICATION NUMBER: US/09/981,876
CURRENT FILING DATE: 2001-10-19
PRIOR APPLICATION NUMBER: 09/148,545
PRIOR FILING DATE: 1998-09-04
PRIOR APPLICATION NUMBER: 60/040,162
PRIOR FILING DATE: 1997-03-07
PRIOR APPLICATION NUMBER: 60/040,333
PRIOR FILING DATE: 1997-03-07
PRIOR APPLICATION NUMBER: 60/038,621
PRIOR FILING DATE: 1997-03-07
PRIOR APPLICATION NUMBER: 60/040,161
PRIOR FILING DATE: 1997-03-07
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PRIOR FILING DATE: 1997-05-23
PRIOR APPLICATION NUMBER: 60/047,601
PRIOR FILING DATE: 1997-05-23
PRIOR APPLICATION NUMBER: 60/043,580
PRIOR FILING DATE: 1997-04-11
PRIOR APPLICATION NUMBER: 60/043,568

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;; PRIOR FILING DATE: 1997-08-22
;; PRIOR APPLICATION NUMBER: 60/056,636
;; PRIOR FILING DATE: 1997-08-22
;; PRIOR APPLICATION NUMBER: 60/056,874
;; PRIOR FILING DATE: 1997-08-22
;; PRIOR APPLICATION NUMBER: 60/056,910
;; PRIOR FILING DATE: 1997-08-22
;; PRIOR APPLICATION NUMBER: 60/056,864
;; PRIOR FILING DATE: 1997-08-22
;; PRIOR APPLICATION NUMBER: 60/056,631
;; PRIOR FILING DATE: 1997-08-22
;; PRIOR APPLICATION NUMBER: 60/056,845
;; PRIOR FILING DATE: 1997-08-22
;; PRIOR APPLICATION NUMBER: 60/056,892
;; PRIOR FILING DATE: 1997-08-22
;; PRIOR APPLICATION NUMBER: 60/047,595
;; PRIOR FILING DATE: 1997-05-23
;; PRIOR APPLICATION NUMBER: 60/057,761
;; PRIOR FILING DATE: 05-Sep-1997

;; PRIOR APPLICATION NUMBER: 60/047,599
;; PRIOR FILING DATE: 1997-05-23
;; PRIOR APPLICATION NUMBER: 60/047,588
;; PRIOR FILING DATE: 1997-05-23
;; PRIOR APPLICATION NUMBER: 60/047,585
;; PRIOR FILING DATE: 1997-05-23
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;; PRIOR FILING DATE: 1997-05-23
;; PRIOR APPLICATION NUMBER: 60/047,590
;; PRIOR FILING DATE: 1997-05-23
;; PRIOR APPLICATION NUMBER: 60/047,594
;; PRIOR FILING DATE: 1997-05-23
;; PRIOR APPLICATION NUMBER: 60/047,589
;; PRIOR FILING DATE: 1997-05-23
;; PRIOR APPLICATION NUMBER: 60/047,593
;; PRIOR FILING DATE: 1997-05-23
;; PRIOR APPLICATION NUMBER: 60/047,614
;; PRIOR FILING DATE: 1997-05-23
;; PRIOR APPLICATION NUMBER: 60/043,578
;; PRIOR FILING DATE: 1997-04-11
;; PRIOR APPLICATION NUMBER: 60/043,576
;; PRIOR FILING DATE: 1997-04-11
;; PRIOR APPLICATION NUMBER: 60/047,501
;; PRIOR FILING DATE: 1997-05-23
;; PRIOR APPLICATION NUMBER: 60/043,670
;; PRIOR FILING DATE: 1997-04-11
;; PRIOR APPLICATION NUMBER: 60/056,632
;; PRIOR FILING DATE: 1997-08-22
;; PRIOR APPLICATION NUMBER: 60/056,664
;; PRIOR FILING DATE: 1997-08-22
;; PRIOR APPLICATION NUMBER: 60/056,876
;; PRIOR FILING DATE: 1997-08-22
;; PRIOR APPLICATION NUMBER: 60/056,881
;; PRIOR FILING DATE: 1997-08-22
;; PRIOR APPLICATION NUMBER: 60/056,909
;; PRIOR FILING DATE: 1997-08-22
;; PRIOR APPLICATION NUMBER: 60/056,875
;; PRIOR FILING DATE: 1997-08-22
;; PRIOR APPLICATION NUMBER: 60/056,862
;; PRIOR FILING DATE: 1997-08-22
;; PRIOR APPLICATION NUMBER: 60/056,887
;; PRIOR FILING DATE: 1997-08-22
;; PRIOR APPLICATION NUMBER: 60/056,908
;; PRIOR FILING DATE: 1997-08-22
;; PRIOR APPLICATION NUMBER: 60/048,964
;; PRIOR FILING DATE: 1997-06-06
;; PRIOR APPLICATION NUMBER: 60/057,650
;; PRIOR FILING DATE: 1997-09-05
;; PRIOR APPLICATION NUMBER: 60/056,884
;; PRIOR FILING DATE: 1997-08-22
;; NUMBER OF SEQ ID NOS: 280
;; SOFTWARE: Patentin Ver. 2.0
;; SEQ ID NO 89
;; LENGTH: 855

Query Match 32.1%; Score 17; DB 3; Length 855;
Best local Similarity 100.0%; Pred. No. 28;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 31 AGCGATGAGGAGAGTG 47
|||||
Db 124 AGCGATGAGGAGAGTG 140

RESULT 28
US-09-148-545-89
; Sequence 89; Application US/09148545
; Publication No. US20030027132A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: 70 Human Secreted Proteins
; FILE REFERENCE: P2001P1
; CURRENT APPLICATION NUMBER: US/09/148,545

1	CURRENT FILING DATE: 1998-09-04	1	EARLIER APPLICATION NUMBER: 60/043, 674
2	EARLIER APPLICATION NUMBER: PCT/US98/04482	2	EARLIER FILING DATE: 1997-04-11
3	EARLIER FILING DATE: 1998-03-06	3	EARLIER APPLICATION NUMBER: 60/043, 674
4	EARLIER APPLICATION NUMBER: 60/040, 162	4	EARLIER FILING DATE: 1997-04-11
5	EARLIER FILING DATE: 1997-03-07	5	EARLIER APPLICATION NUMBER: 60/043, 669
6	EARLIER APPLICATION NUMBER: 60/040, 333	6	EARLIER FILING DATE: 1997-04-11
7	EARLIER FILING DATE: 1997-03-07	7	EARLIER APPLICATION NUMBER: 60/043, 312
8	EARLIER APPLICATION NUMBER: 60/038, 621	8	EARLIER FILING DATE: 1997-04-11
9	EARLIER FILING DATE: 1997-03-07	9	EARLIER APPLICATION NUMBER: 60/043, 313
10	EARLIER APPLICATION NUMBER: 60/040, 161	10	EARLIER FILING DATE: 1997-04-11
11	EARLIER FILING DATE: 1997-03-07	11	EARLIER APPLICATION NUMBER: 60/043, 672
12	EARLIER APPLICATION NUMBER: 60/040, 626	12	EARLIER FILING DATE: 1997-04-11
13	EARLIER FILING DATE: 1997-03-07	13	EARLIER APPLICATION NUMBER: 60/043, 315
14	EARLIER APPLICATION NUMBER: 60/040, 163	14	EARLIER FILING DATE: 1997-04-11
15	EARLIER FILING DATE: 1997-03-07	15	EARLIER APPLICATION NUMBER: 60/048, 974
16	EARLIER APPLICATION NUMBER: 60/047, 615	16	EARLIER FILING DATE: 1997-06-06
17	EARLIER FILING DATE: 1997-05-23	17	EARLIER APPLICATION NUMBER: 60/056, 886
18	EARLIER APPLICATION NUMBER: 60/047, 600	18	EARLIER FILING DATE: 1997-08-22
19	EARLIER FILING DATE: 1997-05-23	19	EARLIER APPLICATION NUMBER: 60/056, 877
20	EARLIER APPLICATION NUMBER: 60/047, 597	20	EARLIER FILING DATE: 1997-08-22
21	EARLIER FILING DATE: 1997-05-23	21	EARLIER APPLICATION NUMBER: 60/056, 889
22	EARLIER APPLICATION NUMBER: 60/047, 502	22	EARLIER FILING DATE: 1997-08-22
23	EARLIER FILING DATE: 1997-05-23	23	EARLIER APPLICATION NUMBER: 60/056, 878
24	EARLIER APPLICATION NUMBER: 60/047, 633	24	EARLIER FILING DATE: 1997-08-22
25	EARLIER FILING DATE: 1997-05-23	25	EARLIER APPLICATION NUMBER: 60/056, 662
26	EARLIER APPLICATION NUMBER: 60/047, 583	26	EARLIER FILING DATE: 1997-08-22
27	EARLIER FILING DATE: 1997-05-23	27	EARLIER APPLICATION NUMBER: 60/056, 872
28	EARLIER APPLICATION NUMBER: 60/047, 617	28	EARLIER FILING DATE: 1997-08-22
29	EARLIER FILING DATE: 1997-05-23	29	EARLIER APPLICATION NUMBER: 60/056, 882
30	EARLIER APPLICATION NUMBER: 60/047, 618	30	EARLIER FILING DATE: 1997-08-22
31	EARLIER FILING DATE: 1997-05-23	31	EARLIER APPLICATION NUMBER: 60/056, 637
32	EARLIER APPLICATION NUMBER: 60/047, 503	32	EARLIER FILING DATE: 1997-08-22
33	EARLIER FILING DATE: 1997-05-23	33	EARLIER APPLICATION NUMBER: 60/056, 903
34	EARLIER APPLICATION NUMBER: 60/047, 592	34	EARLIER FILING DATE: 1997-08-22
35	EARLIER FILING DATE: 1997-05-23	35	EARLIER APPLICATION NUMBER: 60/056, 888
36	EARLIER APPLICATION NUMBER: 60/047, 581	36	EARLIER FILING DATE: 1997-08-22
37	EARLIER FILING DATE: 1997-05-23	37	EARLIER APPLICATION NUMBER: 60/056, 879
38	EARLIER APPLICATION NUMBER: 60/047, 584	38	EARLIER FILING DATE: 1997-08-22
39	EARLIER FILING DATE: 1997-05-23	39	EARLIER APPLICATION NUMBER: 60/056, 880
40	EARLIER APPLICATION NUMBER: 60/047, 500	40	EARLIER FILING DATE: 1997-08-22
41	EARLIER FILING DATE: 1997-05-23	41	EARLIER APPLICATION NUMBER: 60/056, 894
42	EARLIER APPLICATION NUMBER: 60/047, 587	42	EARLIER FILING DATE: 1997-08-22
43	EARLIER FILING DATE: 1997-05-23	43	EARLIER APPLICATION NUMBER: 60/056, 911
44	EARLIER APPLICATION NUMBER: 60/047, 492	44	EARLIER FILING DATE: 1997-08-22
45	EARLIER FILING DATE: 1997-05-23	45	EARLIER APPLICATION NUMBER: 60/056, 636
46	EARLIER APPLICATION NUMBER: 60/047, 598	46	EARLIER FILING DATE: 1997-08-22
47	EARLIER FILING DATE: 1997-05-23	47	EARLIER APPLICATION NUMBER: 60/056, 874
48	EARLIER APPLICATION NUMBER: 60/047, 613	48	EARLIER FILING DATE: 1997-08-22
49	EARLIER FILING DATE: 1997-05-23	49	EARLIER APPLICATION NUMBER: 60/056, 910
50	EARLIER APPLICATION NUMBER: 60/047, 582	50	EARLIER FILING DATE: 1997-08-22
51	EARLIER FILING DATE: 1997-05-23	51	EARLIER APPLICATION NUMBER: 60/056, 864
52	EARLIER APPLICATION NUMBER: 60/047, 596	52	EARLIER FILING DATE: 1997-08-22
53	EARLIER FILING DATE: 1997-05-23	53	EARLIER APPLICATION NUMBER: 60/056, 631
54	EARLIER APPLICATION NUMBER: 60/047, 612	54	EARLIER FILING DATE: 1997-08-22
55	EARLIER FILING DATE: 1997-05-23	55	EARLIER APPLICATION NUMBER: 60/056, 845
56	EARLIER APPLICATION NUMBER: 60/047, 632	56	EARLIER FILING DATE: 1997-08-22
57	EARLIER FILING DATE: 1997-05-23	57	EARLIER APPLICATION NUMBER: 60/056, 892
58	EARLIER APPLICATION NUMBER: 60/047, 601	58	EARLIER FILING DATE: 1997-08-22
59	EARLIER FILING DATE: 1997-05-23	59	EARLIER APPLICATION NUMBER: 60/047, 595
60	EARLIER APPLICATION NUMBER: 60/043, 580	60	EARLIER FILING DATE: 1997-05-23
61	EARLIER FILING DATE: 1997-04-11	61	EARLIER APPLICATION NUMBER: 60/057, 761
62	EARLIER APPLICATION NUMBER: 60/043, 568	62	EARLIER FILING DATE: 05-Sep-1997
63	EARLIER FILING DATE: 1997-04-11	63	EARLIER APPLICATION NUMBER: 60/047, 599
64	EARLIER APPLICATION NUMBER:		

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; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,590
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,594
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,589
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,593
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,614
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/043,578
; EARLIER FILING DATE: 1997-04-11
; EARLIER APPLICATION NUMBER: 60/043,576
; EARLIER FILING DATE: 1997-04-11
; EARLIER APPLICATION NUMBER: 60/047,501
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/043,670
; EARLIER FILING DATE: 1997-04-11
; EARLIER APPLICATION NUMBER: 60/056,632
; EARLIER FILING DATE: 1997-08-22
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; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/056,876
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/056,881
; EARLIER FILING DATE: 1997-08-22
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; EARLIER FILING DATE: 1997-08-22
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; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/056,862
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/056,887
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/056,908
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/048,964
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/057,650
; EARLIER FILING DATE: 1997-09-05
; EARLIER APPLICATION NUMBER: 60/056,884
; EARLIER FILING DATE: 1997-08-22
; NUMBER OF SEQ ID NOS: 280
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 89
; LENGTH: 855

Query Match      32.1%; Score 17; DB 3; Length 855;
Best Local Similarity 100.0%; Pred. No. 28;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Cy      31 AGCGATGAGGAGGAGTG 47
Db      124 AGCGATGAGGAGGAGTG 140

RESULT 29
US-10-979-111-89
; Sequence 89, Application US/10979111
; Publication No. US2005021575A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: 70 Human Secreted Proteins
; FILE REFERENCE: P2001p1
; CURRENT APPLICATION NUMBER: US/10/979,111
; PRIOR APPLICATION NUMBER: 2004-11-02
; PRIOR FILING DATE: 2000-07-20
; PRIOR APPLICATION NUMBER: 09/148,545
; PRIOR FILING DATE: 1998-09-04
; PRIOR APPLICATION NUMBER: 60/040,162
; PRIOR FILING DATE: 1997-03-07
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; PRIOR APPLICATION NUMBER: 60/040,333
; PRIOR FILING DATE: 1997-03-07
; PRIOR APPLICATION NUMBER: 60/038,621
; PRIOR FILING DATE: 1997-03-07
; PRIOR APPLICATION NUMBER: 60/040,161
; PRIOR FILING DATE: 1997-03-07
; PRIOR APPLICATION NUMBER: 60/040,626
; PRIOR FILING DATE: 1997-03-07
; PRIOR APPLICATION NUMBER: 60/040,334
; PRIOR FILING DATE: 1997-03-07
; PRIOR APPLICATION NUMBER: 60/040,336
; PRIOR FILING DATE: 1997-03-07
; PRIOR APPLICATION NUMBER: 60/040,163
; PRIOR FILING DATE: 1997-03-07
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 280
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 89
; LENGTH: 855
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (103)
; OTHER INFORMATION: n equals a,t,g, or c
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (767)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: SITE
; LOCATION: (831)
; OTHER INFORMATION: n equals a,t,g, or c
US-10-979-111-89

Query Match      32.1%; Score 17; DB 9; Length 855;
Best Local Similarity 100.0%; Pred. No. 28;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Cy      31 AGCGATGAGGAGGAGTG 47
Db      124 AGCGATGAGGAGGAGTG 140

RESULT 30
US-10-450-763-18397
; Sequence 18397, Application US/10450763
; Publication No. US2005019675A1
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc
; TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES
; FILE REFERENCE: 790CIP3/US
; CURRENT APPLICATION NUMBER: US/10/450,763
; PRIOR APPLICATION NUMBER: PCT/US01/08631
; PRIOR FILING DATE: 2001-03-30
; PRIOR APPLICATION NUMBER: 09/540,217
; PRIOR FILING DATE: 2000-03-31
; PRIOR APPLICATION NUMBER: 09/649,167
; PRIOR FILING DATE: 2000-08-23
; NUMBER OF SEQ ID NOS: 60736
; SOFTWARE: Custom
; SEQ ID NO 18397
; LENGTH: 1015
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SIMILAR
; LOCATION: (381)..(515)
; OTHER INFORMATION: 95% homologous to Homo sapiens 8D6 antigen, accession number
; OTHER INFORMATION: AL365455, Smith-Waterman Score=254.
US-10-450-763-18397
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Query Match 32.1%; Score 17; DB 9; Length 1015;
Best Local Similarity 100.0%; Pred. No. 27;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 31 AGCGATGAGGAGGTG 47
DB 492 AGCGATGAGGAGGTG 508

RESULT 31

US-10-437-963-96792/C
; Sequence 96792, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovacic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53221)B
; CURRENT APPLICATION NUMBER: US/10/437,963
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 96792
; LENGTH: 1034
; TYPE: DNA
; ORGANISM: Oryza sativa
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT4530_94856C.1
US-10-437-963-96792

Query Match 32.1%; Score 17; DB 7; Length 1034;
Best Local Similarity 100.0%; Pred. No. 27;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 34 GATGAGGAGGAGTGGCG 50
DB 900 GATGAGGAGGAGTGGCG 884

RESULT 32

US-10-425-115-30514/C
; Sequence 30514, Application US/10425115
; Publication No. US20040214272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovacic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 30514
; LENGTH: 1103
; TYPE: DNA
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: MRT4577_127839C.1
US-10-425-115-30514

Query Match 32.1%; Score 17; DB 8; Length 1103;
Best Local Similarity 100.0%; Pred. No. 27;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 37 GAGGAGGAGTGGCGCTG 53

DB 468 GAGGAGGAGTGGCGCTG 452

RESULT 33
US-09-909-320-126
; Sequence 126, Application US/09909320
; Patent No. US20020132240A1
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Ratton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Pilvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerlitsen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/909,320
; CURRENT FILING DATE: 2002-01-04
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: PCT/US99/28214
; PRIOR FILING DATE: 1999-11-29
; PRIOR APPLICATION NUMBER: PCT/US99/28313
; PRIOR FILING DATE: 1999-11-30
; PRIOR APPLICATION NUMBER: PCT/US99/28564
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/28565
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: PCT/US99/30911
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US99/30999
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; PRIOR FILING DATE: 2000-01-05

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; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 126
; LENGTH: 1210
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-909-320-126

Query Match      32.1%; Score 17; DB 3; Length 1210;
Best Local Similarity 100.0%; Pred. No. 27;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      31 AGCGATGAGGAGGAGTG 47
Db      282 AGCGATGAGGAGGAGTG 298

RESULT 34
US-09-909-088B-126
; Sequence 126, Application US/09909088B
; Patent No. US20020146709A1
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Baton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gertlsen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Kijavich, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/909, 088B
; PRIOR FILING DATE: 2001-07-18
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143, 048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145, 698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146, 222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
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; PRIOR APPLICATION NUMBER: PCT/US99/21090
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; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: PCT/US99/30911
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US99/30999
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; PRIOR FILING DATE: 2000-01-05
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 126
; LENGTH: 1210
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-909-088B-126

Query Match      32.1%; Score 17; DB 3; Length 1210;
Best Local Similarity 100.0%; Pred. No. 27;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      31 AGCGATGAGGAGGAGTG 47
Db      282 AGCGATGAGGAGGAGTG 298

RESULT 35
US-09-905-291A-126
; Sequence 126, Application US/09905291A
; Patent No. US20020160374A1
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Baton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gertlsen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Kijavich, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/905, 291A
; PRIOR FILING DATE: 2001-07-12
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143, 048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145, 698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146, 222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
```

PRIOR APPLICATION NUMBER: PCT/US99/20944
PRIOR FILING DATE: 1999-09-13
PRIOR APPLICATION NUMBER: PCT/US99/21090
PRIOR FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: PCT/US99/21547
PRIOR FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: PCT/US99/23089
PRIOR FILING DATE: 1999-10-05
PRIOR APPLICATION NUMBER: PCT/US99/28214
PRIOR FILING DATE: 1999-11-29
PRIOR APPLICATION NUMBER: PCT/US99/28313
PRIOR FILING DATE: 1999-11-30
PRIOR APPLICATION NUMBER: PCT/US99/28564
PRIOR FILING DATE: 1999-12-02
PRIOR APPLICATION NUMBER: PCT/US99/28565
PRIOR FILING DATE: 1999-12-02
PRIOR APPLICATION NUMBER: PCT/US99/30095
PRIOR FILING DATE: 1999-12-16
PRIOR APPLICATION NUMBER: PCT/US99/30911
PRIOR FILING DATE: 1999-12-20
PRIOR APPLICATION NUMBER: PCT/US99/30999
PRIOR FILING DATE: 1999-12-20
PRIOR APPLICATION NUMBER: PCT/US00/00219
PRIOR FILING DATE: 2000-01-05
NUMBER OF SEQ ID NOS: 423
SEQ ID NO 126
LENGTH: 1210
TYPE: DNA
ORGANISM: Homo sapiens
US-09-905-291A-126

Query Match 32.1% Score 17; DB 3; Length 1210;
Best Local Similarity 100.0%; Pred. No. 27;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 31 AGCGATGAGGAGGAGTG 47
Db 282 AGCGATGAGGAGGAGTG 298

RESULT 36
US-09-902-853-126
Sequence 126, Application US/09902853
Publication No. US20020192659A1
GENERAL INFORMATION:
APPLICANT: Genentech, Inc.
APPLICANT: Ashkenazi, Avi
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Filvaroff, Ellen
APPLICANT: Fong, Sherman
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerber, Hanspeter
APPLICANT: Gertlisen, Mary E.
APPLICANT: Goddard, A.
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, Christopher J.
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth, J.
APPLICANT: Kijavlin, Ivar J.
APPLICANT: Mather, Jennie P.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William, I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: 10466-14

CURRENT APPLICATION NUMBER: US/09/902,853
CURRENT FILING DATE: 2001-07-10
PRIOR APPLICATION NUMBER: US/09/665,350
PRIOR FILING DATE: 2000-09-18
PRIOR APPLICATION NUMBER: US 60/143,048
PRIOR FILING DATE: 1999-07-07
PRIOR APPLICATION NUMBER: US 60/145,698
PRIOR FILING DATE: 1999-07-26
PRIOR APPLICATION NUMBER: US 60/146,222
PRIOR FILING DATE: 1999-07-28
PRIOR APPLICATION NUMBER: PCT/US99/20594
PRIOR FILING DATE: 1999-09-08
PRIOR APPLICATION NUMBER: PCT/US99/20944
PRIOR FILING DATE: 1999-09-13
PRIOR APPLICATION NUMBER: PCT/US99/21090
PRIOR FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: PCT/US99/21547
PRIOR FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: PCT/US99/23089
PRIOR FILING DATE: 1999-10-05
PRIOR APPLICATION NUMBER: PCT/US99/28214
PRIOR FILING DATE: 1999-11-29
PRIOR APPLICATION NUMBER: PCT/US99/28313
PRIOR FILING DATE: 1999-11-30
PRIOR APPLICATION NUMBER: PCT/US99/28564
PRIOR FILING DATE: 1999-12-02
PRIOR APPLICATION NUMBER: PCT/US99/28565
PRIOR FILING DATE: 1999-12-02
PRIOR APPLICATION NUMBER: PCT/US99/30095
PRIOR FILING DATE: 1999-12-16
PRIOR APPLICATION NUMBER: PCT/US99/30911
PRIOR FILING DATE: 1999-12-20
PRIOR APPLICATION NUMBER: PCT/US99/30999
PRIOR FILING DATE: 1999-12-20
PRIOR APPLICATION NUMBER: PCT/US00/00219
PRIOR FILING DATE: 2000-01-05
NUMBER OF SEQ ID NOS: 423
SEQ ID NO 126
LENGTH: 1210
TYPE: DNA
ORGANISM: Homo Sapien
US-09-902-853-126

Query Match 32.1% Score 17; DB 3; Length 1210;
Best Local Similarity 100.0%; Pred. No. 27;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 31 AGCGATGAGGAGGAGTG 47
Db 282 AGCGATGAGGAGGAGTG 298

RESULT 37
US-09-907-824-126
Sequence 126, Application US/09907824
Publication No. US20020197671A1
GENERAL INFORMATION:
APPLICANT: Genentech, Inc.
APPLICANT: Ashkenazi, Avi
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Filvaroff, Ellen
APPLICANT: Fong, Sherman
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerber, Hanspeter
APPLICANT: Gertlisen, Mary E.
APPLICANT: Goddard, A.
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, Christopher J.
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth, J.

```

; APPLICANT: Kijavin, Ivar J.
; APPLICANT: Macher, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/907,824
; PRIOR FILING DATE: 2001-07-17
; PRIOR APPLICATION NUMBER: 09/665,350
; PRIOR FILING DATE: 2000-09-18
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: PCT/US99/28214
; PRIOR FILING DATE: 1999-11-29
; PRIOR APPLICATION NUMBER: PCT/US99/28313
; PRIOR FILING DATE: 1999-11-30
; PRIOR APPLICATION NUMBER: PCT/US99/28564
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/28565
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: PCT/US99/30911
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US99/30999
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; PRIOR FILING DATE: 2000-01-05
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 126
; LENGTH: 1210
; TYPE: DNA
; ORGANISM: Homo Sapien
US-09-907-824-126
Query Match      32.1%; Score 17; DB 3; Length 1210;
Best Local Similarity 100.0%; Pred. No. 27;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Qy      31 AGCGATGAGGAGGAGTG 47
      |||||
Db      282 AGCGATGAGGAGGAGTG 298
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RESULT 38
US-09-907-841-126
; Sequence 126, Application US/09907841
; Publication No. US20020198366A1
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
```

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; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerlitsen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Kijavin, Ivar J.
; APPLICANT: Macher, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/907,841
; PRIOR FILING DATE: 2001-11-20
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: PCT/US99/28214
; PRIOR FILING DATE: 1999-11-29
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 126
; LENGTH: 1210
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-907-841-126
Query Match      32.1%; Score 17; DB 3; Length 1210;
Best Local Similarity 100.0%; Pred. No. 27;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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```

Qy      31 AGCGATGAGGAGGAGTG 47
      |||||
Db      282 AGCGATGAGGAGGAGTG 298
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RESULT 39
US-09-904-011-126
; Sequence 126, Application US/09904011
; Publication No. US20030003530A1
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
```

```

; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Kijavin, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Thomas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/904,011
; PRIOR FILING DATE: 2001-07-11
; PRIOR APPLICATION NUMBER: 09/665,350
; PRIOR FILING DATE: 2000-09-18
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: PCT/US99/28214
; PRIOR FILING DATE: 1999-11-29
; PRIOR APPLICATION NUMBER: PCT/US99/28313
; PRIOR FILING DATE: 1999-11-30
; PRIOR APPLICATION NUMBER: PCT/US99/28564
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/28565
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: PCT/US99/30911
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US99/30999
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; PRIOR FILING DATE: 2000-01-05
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 126
; LENGTH: 1210
; TYPE: DNA
; ORGANISM: Homo Sapien
US-09-904-011-126
Query Match 32.1%; Score 17; DB 3; Length 1210;
Best Local Similarity 100.0%; Pred. No. 27;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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```

QY 31 AGCGATGAGGAGGATG 47
|||
Db 282 AGCGATGAGGAGGATG 298

RESULT 40
US-09-903-640-126
; Sequence 126, Application US/09903640
; Publication No. US20030017463A1
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Kijavin, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Thomas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/903,640
; PRIOR FILING DATE: 2001-07-11
; PRIOR APPLICATION NUMBER: 09/665,350
; PRIOR FILING DATE: 2000-09-18
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 126
; LENGTH: 1210
; TYPE: DNA
; ORGANISM: Homo Sapien
US-09-903-640-126
Query Match 32.1%; Score 17; DB 3; Length 1210;
Best Local Similarity 100.0%; Pred. No. 27;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```

; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerltsen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Guiney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Kijavlin, Ivar J.
; APPLICANT: Mathier, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Thomas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/908,093
; PRIOR FILING DATE: 2001-07-17
; PRIOR APPLICATION NUMBER: 09/665,350
; PRIOR FILING DATE: 2000-09-18
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: PCT/US99/28214
; PRIOR FILING DATE: 1999-11-29
; PRIOR APPLICATION NUMBER: PCT/US99/28313
; PRIOR FILING DATE: 1999-11-30
; PRIOR APPLICATION NUMBER: PCT/US99/28564
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/28565
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: PCT/US99/30911
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US99/30999
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; PRIOR FILING DATE: 2000-01-05
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 126
; LENGTH: 1210
; TYPE: DNA
; ORGANISM: Homo Sapien
US-09-908-093-126

Query Match      32.1%; Score 17; DB 3; Length 1210;
Best Local Similarity 100.0%; Pred. No. 27;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      31 AGCGATGAGGAGGAGTG 47
Db      282 AGCGATGAGGAGGAGTG 298

; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerltsen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Guiney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Kijavlin, Ivar J.
; APPLICANT: Mathier, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Thomas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/906,742
; PRIOR FILING DATE: 2001-07-16
; PRIOR APPLICATION NUMBER: 09/665,350
; PRIOR FILING DATE: 2000-09-18
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
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; PRIOR APPLICATION NUMBER: PCT/US99/23089
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; PRIOR APPLICATION NUMBER: PCT/US99/28214
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; PRIOR APPLICATION NUMBER: PCT/US99/28313
; PRIOR FILING DATE: 1999-11-30
; PRIOR APPLICATION NUMBER: PCT/US99/28564
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/28565
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: PCT/US99/30911
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US99/30999
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; PRIOR FILING DATE: 2000-01-05
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 126

RESULT 42
US-09-906-742-126
; Sequence 126, Application US/09906742
; Publication No. US20030023054A1
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Aekkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerltsen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Guiney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Kijavlin, Ivar J.
; APPLICANT: Mathier, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Thomas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/906,742
; PRIOR FILING DATE: 2001-07-16
; PRIOR APPLICATION NUMBER: 09/665,350
; PRIOR FILING DATE: 2000-09-18
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: PCT/US99/28214
; PRIOR FILING DATE: 1999-11-29
; PRIOR APPLICATION NUMBER: PCT/US99/28313
; PRIOR FILING DATE: 1999-11-30
; PRIOR APPLICATION NUMBER: PCT/US99/28564
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/28565
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: PCT/US99/30911
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US99/30999
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; PRIOR FILING DATE: 2000-01-05
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 126
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LENGTH: 1210
TYPE: DNA
ORGANISM: Homo Sapien
US-09-906-742-126

Query Match 32.1%; Score 17; DB 3; Length 1210;
Best Local Similarity 100.0%; Pred. No. 27;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 31 AGCGATGAGGAGGAGTG 47
Db 282 AGCGATGAGGAGGAGTG 298

RESULT 43

US-09-906-838-126
Sequence 126, Application US/09906838
Publication No. US20030027145A1
GENERAL INFORMATION:
APPLICANT: Genentech, Inc.
APPLICANT: Ashkenazi, Avi
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Filvaroff, Ellen
APPLICANT: Fong, Sherman
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerber, Hanspeter
APPLICANT: Gertschen, Mary E.
APPLICANT: Goddard, A.
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, Christopher J.
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth, J.
APPLICANT: Kijavlin, Ivar J.
APPLICANT: Mather, Jennie P.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William, I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: 10466-14
CURRENT APPLICATION NUMBER: US/09/906, 838
CURRENT FILING DATE: 2001-07-16
PRIOR APPLICATION NUMBER: 09/665,350
PRIOR FILING DATE: 2000-09-18
PRIOR APPLICATION NUMBER: PCT/US00/04414
PRIOR FILING DATE: 2000-02-22
PRIOR APPLICATION NUMBER: US 60/143,048
PRIOR FILING DATE: 1999-07-07
PRIOR APPLICATION NUMBER: US 60/145,698
PRIOR FILING DATE: 1999-07-26
PRIOR APPLICATION NUMBER: US 60/146,222
PRIOR FILING DATE: 1999-07-28
PRIOR APPLICATION NUMBER: PCT/US99/20594
PRIOR FILING DATE: 1999-09-08
PRIOR APPLICATION NUMBER: PCT/US99/20944
PRIOR FILING DATE: 1999-09-13
PRIOR APPLICATION NUMBER: PCT/US99/21090
PRIOR FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: PCT/US99/21547
PRIOR FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: PCT/US99/23089
PRIOR FILING DATE: 1999-10-05
PRIOR APPLICATION NUMBER: PCT/US99/28214
PRIOR FILING DATE: 1999-11-29
PRIOR APPLICATION NUMBER: PCT/US99/28313
PRIOR FILING DATE: 1999-11-30

PRIOR APPLICATION NUMBER: PCT/US99/28564
PRIOR FILING DATE: 1999-12-02
PRIOR APPLICATION NUMBER: PCT/US99/28565
PRIOR FILING DATE: 1999-12-02
PRIOR APPLICATION NUMBER: PCT/US99/30095
PRIOR FILING DATE: 1999-12-16
PRIOR APPLICATION NUMBER: PCT/US99/30911
PRIOR FILING DATE: 1999-12-20
PRIOR APPLICATION NUMBER: PCT/US99/30999
PRIOR FILING DATE: 1999-12-20
PRIOR APPLICATION NUMBER: PCT/US00/00219
PRIOR FILING DATE: 2000-01-05
NUMBER OF SEQ ID NOS: 423
SEQ ID NO 126
LENGTH: 1210
TYPE: DNA
ORGANISM: Homo Sapien
US-09-906-838-126

Query Match 32.1%; Score 17; DB 3; Length 1210;
Best Local Similarity 100.0%; Pred. No. 27;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 31 AGCGATGAGGAGGAGTG 47
Db 282 AGCGATGAGGAGGAGTG 298

RESULT 44

US-09-907-613-126
Sequence 126, Application US/09907613
Publication No. US20030027145A1
GENERAL INFORMATION:
APPLICANT: Genentech, Inc.
APPLICANT: Ashkenazi, Avi
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Filvaroff, Ellen
APPLICANT: Fong, Sherman
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerber, Hanspeter
APPLICANT: Gertschen, Mary E.
APPLICANT: Goddard, A.
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, Christopher J.
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth, J.
APPLICANT: Kijavlin, Ivar J.
APPLICANT: Mather, Jennie P.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William, I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: 10466-14
CURRENT APPLICATION NUMBER: US/09/907, 613
CURRENT FILING DATE: 2001-07-17
PRIOR APPLICATION NUMBER: PCT/US00/04414
PRIOR FILING DATE: 2000-02-22
PRIOR APPLICATION NUMBER: US 60/143,048
PRIOR FILING DATE: 1999-07-07
PRIOR APPLICATION NUMBER: US 60/145,698
PRIOR FILING DATE: 1999-07-26
PRIOR APPLICATION NUMBER: US 60/146,222
PRIOR FILING DATE: 1999-07-28
PRIOR APPLICATION NUMBER: PCT/US99/20594
PRIOR FILING DATE: 1999-09-08

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; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: PCT/US99/28214
; PRIOR FILING DATE: 1999-11-29
; PRIOR APPLICATION NUMBER: PCT/US99/28313
; PRIOR FILING DATE: 1999-11-30
; PRIOR APPLICATION NUMBER: PCT/US99/28564
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/28565
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: PCT/US99/30911
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US99/30999
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; PRIOR FILING DATE: 2000-01-05
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 126
; LENGTH: 1210
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-907-613-126

Query Match      32.1%; Score 17; DB 3; Length 1210;
Best Local Similarity 100.0%; Pred. No. 27;
Matches 17/ Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      31 AGCGATGAGGAGGAGTG 47
Db      282 AGCGATGAGGAGGAGTG 298

RESULT 45
US-09-907-942-126
; Sequence 126, Application US/09907942
; Publication No. US20030027146A1
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerltsen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Klyavin, Ivar J.
; APPLICANT: Macher, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: 10466-14
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; CURRENT APPLICATION NUMBER: US/09/907,942
; CURRENT FILING DATE: 2002-01-22
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: PCT/US99/28214
; PRIOR FILING DATE: 1999-11-29
; PRIOR APPLICATION NUMBER: PCT/US99/28313
; PRIOR FILING DATE: 1999-11-30
; PRIOR APPLICATION NUMBER: PCT/US99/28564
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/28565
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: PCT/US99/30911
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US99/30999
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; PRIOR FILING DATE: 2000-01-05
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 126
; LENGTH: 1210
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-907-942-126

Query Match      32.1%; Score 17; DB 3; Length 1210;
Best Local Similarity 100.0%; Pred. No. 27;
Matches 17/ Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      31 AGCGATGAGGAGGAGTG 47
Db      282 AGCGATGAGGAGGAGTG 298

RESULT 46
US-09-904-859-126
; Sequence 126, Application US/09904859
; Publication No. US20030036060A1
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerltsen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
```

```

; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/904,859
; PRIOR FILING DATE: 2001-07-12
; PRIOR APPLICATION NUMBER: 09/665,350
; PRIOR FILING DATE: 2000-09-18
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: PCT/US99/28214
; PRIOR FILING DATE: 1999-11-29
; PRIOR APPLICATION NUMBER: PCT/US99/28313
; PRIOR FILING DATE: 1999-11-30
; PRIOR APPLICATION NUMBER: PCT/US99/28564
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/28565
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: PCT/US99/30911
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US99/30999
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; PRIOR FILING DATE: 2000-01-05
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 126
; LENGTH: 1210
; TYPE: DNA
; ORGANISM: Homo Sapien
US-09-904-859-126

Query Match      32.1%; Score 17; DB 3; Length 1210;
Best Local Similarity 100.0%; Pred. No. 27;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY      31 AGCGATGAGGAGGAGTG 47
Db      282 AGCGATGAGGAGGAGTG 298
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RESULT 47
US-09-909-204-126
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```

; Sequence 126, Application US/09909204
; Publication No. US20030036061A1
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
```

```

; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gertlgen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/909,204
; PRIOR FILING DATE: 2001-07-18
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: PCT/US99/28214
; PRIOR FILING DATE: 1999-11-29
; PRIOR APPLICATION NUMBER: PCT/US99/28313
; PRIOR FILING DATE: 1999-11-30
; PRIOR APPLICATION NUMBER: PCT/US99/28564
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/28565
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: PCT/US99/30911
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US99/30999
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; PRIOR FILING DATE: 2000-01-05
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 126
; LENGTH: 1210
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-909-204-126

Query Match      32.1%; Score 17; DB 3; Length 1210;
Best Local Similarity 100.0%; Pred. No. 27;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY 31 AGCGATGAGGAGAGTG 47
DB 282 AGCGATGAGGAGAGTG 298

RESULT 48
US-09-904-820-126
Sequence 126, Application US/09904820
GENERAL INFORMATION:
APPLICANT: Genentech, Inc.
APPLICANT: Ashkenazi, Avi
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Filvaroff, Ellen
APPLICANT: Fong, Sherman
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, A.
APPLICANT: Grimaldi, Christopher J.
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth, J.
APPLICANT: Kljavin, Ivar J.
APPLICANT: Mather, Jennie P.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William, I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: 10466-14
CURRENT APPLICATION NUMBER: US/09/904,820
CURRENT FILING DATE: 2001-07-13
PRIOR APPLICATION NUMBER: 09/665,350
PRIOR FILING DATE: 2000-09-18
PRIOR APPLICATION NUMBER: PCT/US00/04414
PRIOR FILING DATE: 2000-02-22
PRIOR APPLICATION NUMBER: US 60/143,048
PRIOR FILING DATE: 1999-07-07
PRIOR APPLICATION NUMBER: US 60/145,698
PRIOR FILING DATE: 1999-07-26
PRIOR APPLICATION NUMBER: US 60/146,222
PRIOR FILING DATE: 1999-07-28
PRIOR APPLICATION NUMBER: PCT/US99/20594
PRIOR FILING DATE: 1999-09-08
PRIOR APPLICATION NUMBER: PCT/US99/20944
PRIOR FILING DATE: 1999-09-13
PRIOR APPLICATION NUMBER: PCT/US99/21090
PRIOR FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: PCT/US99/21547
PRIOR FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: PCT/US99/23089
PRIOR FILING DATE: 1999-10-05
PRIOR APPLICATION NUMBER: PCT/US99/28214
PRIOR FILING DATE: 1999-11-29
PRIOR APPLICATION NUMBER: PCT/US99/28313
PRIOR FILING DATE: 1999-11-30
PRIOR APPLICATION NUMBER: PCT/US99/28564
PRIOR FILING DATE: 1999-12-02
PRIOR APPLICATION NUMBER: PCT/US99/28565
PRIOR FILING DATE: 1999-12-02
PRIOR APPLICATION NUMBER: PCT/US99/30095
PRIOR FILING DATE: 1999-12-16
PRIOR APPLICATION NUMBER: PCT/US99/30911
PRIOR FILING DATE: 1999-12-20
PRIOR APPLICATION NUMBER: PCT/US99/30999

QY 31 AGCGATGAGGAGAGTG 47
DB 282 AGCGATGAGGAGAGTG 298

RESULT 49
US-09-904-786-126
Sequence 126, Application US/09904786
GENERAL INFORMATION:
APPLICANT: Genentech, Inc.
APPLICANT: Ashkenazi, Avi
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Filvaroff, Ellen
APPLICANT: Fong, Sherman
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, A.
APPLICANT: Grimaldi, Christopher J.
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth, J.
APPLICANT: Kljavin, Ivar J.
APPLICANT: Mather, Jennie P.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William, I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: 10466-14
CURRENT APPLICATION NUMBER: US/09/904,786
CURRENT FILING DATE: 2001-07-12
PRIOR APPLICATION NUMBER: 09/665,350
PRIOR FILING DATE: 2000-09-18
NUMBER OF SEQ ID NOS: 423
SEQ ID NO 126
LENGTH: 1210
TYPE: DNA
ORGANISM: Homo Sapien
US-09-904-786-126

Query Match 32.1%; Score 17; DB 3; Length 1210;
Best Local Similarity 100.0%; Pred. No. 27;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 31 AGCGATGAGGAGAGTG 47
DB 282 AGCGATGAGGAGAGTG 298

RESULT 50
Query Match 32.1%; Score 17; DB 3; Length 1210;
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; GENERAL INFORMATION:
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; PRIOR APPLICATION NUMBER: PCT/US99/30095
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C 288	12	22.6	19	9	US-11-083-784-1175387	Sequence 1175387,	C 361	12	22.6	31	7	US-11-067-4254-56	Sequence 56, Appl
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C 558	12	22.6	1123	6	US-10-750-185-34468	Sequence 34468, A	C 631	12	22.6	1518	9	US-11-082-389-283	Sequence 283, App
C 559	12	22.6	1123	6	US-10-750-623-34468	Sequence 34468, A	C 632	12	22.6	1531	6	US-10-750-623-57494	Sequence 57494, A
C 560	12	22.6	1154	6	US-10-995-561-182	Sequence 182, App	C 633	12	22.6	1531	6	US-10-750-623-57494	Sequence 57494, A
C 561	12	22.6	1155	6	US-10-517-939-357	Sequence 357, App	C 634	12	22.6	1549	6	US-10-750-185-31961	Sequence 31961, A
C 562	12	22.6	1161	6	US-10-750-185-62602	Sequence 62602, A	C 635	12	22.6	1549	6	US-10-750-623-31961	Sequence 31961, A
C 563	12	22.6	1161	6	US-10-750-623-62602	Sequence 62602, A	C 636	12	22.6	1560	7	US-11-136-527-3742	Sequence 3742, Ap
C 564	12	22.6	1166	6	US-10-750-185-31433	Sequence 31433, A	C 637	12	22.6	1561	6	US-10-510-386-107	Sequence 107, App
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C 567	12	22.6	1173	6	US-10-525-710-15	Sequence 15, App1	C 640	12	22.6	1592	6	US-10-750-185-45257	Sequence 45257, A
C 568	12	22.6	1176	7	US-11-129-143-175	Sequence 175, App	C 641	12	22.6	1594	6	US-10-750-623-45257	Sequence 45257, A
C 569	12	22.6	1185	6	US-10-750-185-47780	Sequence 47780, A	C 642	12	22.6	1594	6	US-10-750-185-64873	Sequence 64873, A
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C 572	12	22.6	1195	7	US-11-136-527-3103	Sequence 3103, Ap	C 645	12	22.6	1601	6	US-10-750-623-61452	Sequence 61452, A
C 573	12	22.6	1215	6	US-10-750-185-40107	Sequence 40107, A	C 646	12	22.6	1603	6	US-10-750-185-34048	Sequence 34048, A
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C 575	12	22.6	1224	6	US-10-750-185-45251	Sequence 45251, A	C 648	12	22.6	1609	6	US-10-750-185-54151	Sequence 54151, A
C 576	12	22.6	1224	6	US-10-750-623-45251	Sequence 45251, A	C 649	12	22.6	1609	6	US-10-750-623-54151	Sequence 54151, A
C 577	12	22.6	1230	7	US-11-143-401-114	Sequence 114, App	C 650	12	22.6	1614	6	US-10-750-185-60282	Sequence 60282, A
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C 579	12	22.6	1240	6	US-10-750-623-36640	Sequence 36640, A	C 652	12	22.6	1614	7	US-11-037-243-45	Sequence 45, App1
C 580	12	22.6	1240	6	US-11-147-92-3	Sequence 3, App1	C 653	12	22.6	1631	7	US-11-120-308-39	Sequence 39, App1
C 581	12	22.6	1249	6	US-10-955-054A-79	Sequence 79, App1	C 654	12	22.6	1634	6	US-10-750-185-40234	Sequence 40234, A
C 582	12	22.6	1255	6	US-10-750-185-34097	Sequence 34097, A	C 655	12	22.6	1634	7	US-10-750-623-40234	Sequence 40234, A
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C 585	12	22.6	1275	6	US-10-750-623-26951	Sequence 26951, A	C 658	12	22.6	1653	7	US-11-130-391-4	Sequence 4, App1
C 586	12	22.6	1277	7	US-11-000-688-552	Sequence 552, App	C 659	12	22.6	1654	6	US-10-750-185-38365	Sequence 38365, A
C 587	12	22.6	1298	7	US-11-055-822-1103	Sequence 1103, Ap	C 660	12	22.6	1654	6	US-10-750-623-38365	Sequence 38365, A
C 588	12	22.6	1305	7	US-11-136-527-3358	Sequence 3358, Ap	C 661	12	22.6	1656	6	US-10-750-185-37718	Sequence 37718, A
C 589	12	22.6	1306	7	US-11-060-029-14	Sequence 14, App1	C 662	12	22.6	1656	6	US-10-750-623-37718	Sequence 37718, A
C 590	12	22.6	1313	6	US-11-132-864-48	Sequence 48, App1	C 663	12	22.6	1656	6	US-10-750-185-31408	Sequence 31408, A
C 591	12	22.6	1314	6	US-10-775-169-39	Sequence 39, App1	C 664	12	22.6	1656	6	US-10-750-623-31408	Sequence 31408, A
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C 594	12	22.6	1338	6	US-10-858-730-33	Sequence 33, App1	C 667	12	22.6	1668	6	US-10-750-623-30490	Sequence 30490, A
C 595	12	22.6	1339	6	US-10-750-185-54972	Sequence 54972, A	C 668	12	22.6	1670	6	US-10-750-185-36736	Sequence 36736, A
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C 597	12	22.6	1339	7	US-11-124-368A-18	Sequence 18, App1	C 670	12	22.6	1689	6	US-10-750-185-44274	Sequence 44274, A
C 598	12	22.6	1347	6	US-10-917-421-69	Sequence 69, App1	C 671	12	22.6	1689	6	US-10-750-623-44274	Sequence 44274, A
C 599	12	22.6	1350	6	US-10-917-421-90	Sequence 90, App1	C 672	12	22.6	1692	7	US-11-136-527-3348	Sequence 3348, Ap
C 600	12	22.6	1354	7	US-11-069-642-126	Sequence 126, App	C 673	12	22.6	1711	6	US-10-750-185-26141	Sequence 26141, A
C 601	12	22.6	1364	7	US-11-000-688-106	Sequence 106, App	C 674	12	22.6	1717	6	US-10-750-623-26141	Sequence 26141, A
C 602	12	22.6	1366	6	US-10-510-386-91	Sequence 91, App1	C 675	12	22.6	1727	6	US-10-750-185-35500	Sequence 35500, A
C 603	12	22.6	1366	6	US-10-955-054A-82	Sequence 82, App1	C 676	12	22.6	1727	6	US-10-750-623-35500	Sequence 35500, A
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C 607	12	22.6	1395	6	US-10-750-185-55940	Sequence 55940, A	C 680	12	22.6	1747	6	US-10-750-623-44619	Sequence 44619, A

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C 682	12	22.6	1782	7	US-11-040-488-1	Sequence 1, Appl1	755	12	22.6	2388	6	US-10-821-234-252	Sequence 252, App
C 683	12	22.6	1791	7	US-11-136-527-3993	Sequence 3993, Ap	756	12	22.6	2394	7	US-11-000-688-213	Sequence 213, App
C 684	12	22.6	1793	6	US-10-750-185-41203	Sequence 41203, A	757	12	22.6	2403	6	US-10-467-657-2159	Sequence 2159, Ap
C 685	12	22.6	1793	6	US-10-750-623-41203	Sequence 41203, A	C 758	12	22.6	2403	6	US-10-467-657-6469	Sequence 6469, Ap
C 686	12	22.6	1794	7	US-11-045-802-27	Sequence 27, Appl	C 759	12	22.6	2424	6	US-10-909-125-831	Sequence 831, App
C 687	12	22.6	1798	7	US-11-109-157A-22	Sequence 22, Appl	C 760	12	22.6	2440	6	US-11-000-688-1159	Sequence 1159, Ap
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C 693	12	22.6	1871	7	US-11-102-240-91	Sequence 91, Appl	C 766	12	22.6	2497	6	US-10-750-185-35889	Sequence 35889, A
C 694	12	22.6	1876	6	US-10-995-561-183	Sequence 183, App	C 767	12	22.6	2497	6	US-10-750-623-35889	Sequence 4046, Ap
C 695	12	22.6	1880	7	US-11-136-527-4057	Sequence 4057, Ap	C 768	12	22.6	2493	7	US-11-136-527-35889	Sequence 277, App
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C 699	12	22.6	1908	7	US-11-000-463-216	Sequence 216, App	C 772	12	22.6	2558	7	US-11-136-527-3342	Sequence 2924, Ap
C 700	12	22.6	1909	6	US-10-510-86-93	Sequence 93, Appl	C 773	12	22.6	2605	7	US-11-136-527-2924	Sequence 2963, Ap
C 701	12	22.6	1917	6	US-10-750-185-25966	Sequence 25966, A	C 774	12	22.6	2622	7	US-11-136-527-2963	Sequence 33094, A
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C 703	12	22.6	1939	6	US-10-750-185-29317	Sequence 29317, A	C 776	12	22.6	2757	6	US-10-750-185-33094	Sequence 33094, A
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C 705	12	22.6	1939	7	US-11-000-463-164	Sequence 164, App	C 778	12	22.6	2774	7	US-10-955-054A-51	Sequence 51, Appl
C 706	12	22.6	1944	7	US-11-000-463-636	Sequence 636, App	C 779	12	22.6	2805	7	US-11-130-391-6	Sequence 6, Appl1
C 707	12	22.6	1947	6	US-10-750-185-37256	Sequence 37256, A	C 780	12	22.6	2808	6	US-10-476-333A-15	Sequence 15, Appl
C 708	12	22.6	1947	6	US-10-750-623-37256	Sequence 37256, A	C 781	12	22.6	2821	7	US-11-136-527-3886	Sequence 3886, Ap
C 709	12	22.6	1955	6	US-10-750-185-37984	Sequence 27984, A	C 782	12	22.6	2855	7	US-11-128-061-466	Sequence 466, App
C 710	12	22.6	1955	6	US-10-750-623-37984	Sequence 27984, A	C 783	12	22.6	2857	7	US-11-136-527-360	Sequence 360, App
C 711	12	22.6	1955	7	US-11-136-527-3980	Sequence 2980, Ap	C 784	12	22.6	2920	7	US-11-000-688-1506	Sequence 1506, Ap
C 712	12	22.6	1960	7	US-11-136-527-617	Sequence 617, App	C 785	12	22.6	2926	7	US-11-136-527-3044	Sequence 3044, Ap
C 713	12	22.6	1965	6	US-10-750-185-40098	Sequence 40098, A	C 786	12	22.6	2930	6	US-10-750-185-37061	Sequence 37061, A
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C 716	12	22.6	1983	6	US-10-750-185-44158	Sequence 44158, A	C 789	12	22.6	2948	7	US-11-099-691-22	Sequence 984, App
C 717	12	22.6	1983	6	US-10-750-623-44158	Sequence 44158, A	C 790	12	22.6	2954	7	US-11-117-187-17	Sequence 22, Appl
C 718	12	22.6	2016	7	US-11-029-003-7	Sequence 7, Appl1	C 791	12	22.6	2971	6	US-10-750-185-61449	Sequence 11, Appl
C 719	12	22.6	2017	6	US-10-750-623-25404	Sequence 25404, A	C 792	12	22.6	2971	6	US-10-750-623-61449	Sequence 61449, A
C 720	12	22.6	2017	6	US-10-750-185-29067	Sequence 29067, A	C 793	12	22.6	2971	6	US-10-750-623-32148	Sequence 32148, A
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C 724	12	22.6	2043	6	US-10-750-623-45496	Sequence 45496, A	C 797	12	22.6	3066	7	US-11-136-527-3765	Sequence 3765, Ap
C 725	12	22.6	2049	6	US-10-750-185-30215	Sequence 30215, A	C 798	12	22.6	3073	7	US-11-113-424-11	Sequence 11, Appl
C 726	12	22.6	2049	6	US-10-750-623-30215	Sequence 30215, A	C 799	12	22.6	3129	6	US-10-821-234-292	Sequence 292, App
C 727	12	22.6	2063	6	US-10-750-185-32207	Sequence 32207, A	C 800	12	22.6	3162	6	US-10-517-939-51	Sequence 51, Appl
C 728	12	22.6	2063	6	US-10-750-623-32207	Sequence 32207, A	C 801	12	22.6	3162	7	US-10-517-939-51	Sequence 55, Appl
C 729	12	22.6	2069	6	US-10-689-742-139	Sequence 139, App	C 802	12	22.6	3186	6	US-10-995-561-339	Sequence 339, App
C 730	12	22.6	2079	7	US-11-045-802-25	Sequence 25, Appl	C 803	12	22.6	3242	6	US-10-995-561-338	Sequence 338, App
C 731	12	22.6	2090	7	US-11-136-527-2088	Sequence 2088, Ap	C 804	12	22.6	3276	6	US-10-947-249-138	Sequence 138, App
C 732	12	22.6	2092	6	US-10-510-386-219	Sequence 219, App	C 805	12	22.6	3301	6	US-10-750-185-32148	Sequence 32148, A
C 733	12	22.6	2092	6	US-10-955-054A-41	Sequence 41, Appl	C 806	12	22.6	3301	6	US-10-750-623-32148	Sequence 32148, A
C 734	12	22.6	2106	6	US-10-750-185-33638	Sequence 33638, A	C 807	12	22.6	3305	7	US-11-017-550-68	Sequence 68, Appl
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C 736	12	22.6	2148	6	US-11-136-527-313	Sequence 313, App	C 809	12	22.6	3308	6	US-10-750-623-51682	Sequence 51682, A
C 737	12	22.6	2175	6	US-10-821-234-554	Sequence 149, App	C 810	12	22.6	3381	7	US-11-075-185-33	Sequence 33, Appl
C 738	12	22.6	2200	6	US-10-510-386-149	Sequence 149, App	C 811	12	22.6	3384	6	US-10-858-730-11	Sequence 41, Appl
C 739	12	22.6	2257	7	US-11-110-082-13	Sequence 13, Appl	C 812	12	22.6	3396	6	US-10-995-561-354	Sequence 354, App
C 740	12	22.6	2269	7	US-11-000-688-1374	Sequence 1374, Ap	C 813	12	22.6	3407	7	US-11-124-368A-2	Sequence 2, Appl1
C 741	12	22.6	2279	6	US-10-750-185-58019	Sequence 58019, A	C 814	12	22.6	3418	7	US-11-136-527-3778	Sequence 3778, Ap
C 742	12	22.6	2279	6	US-10-750-623-58019	Sequence 58019, A	C 815	12	22.6	3458	6	US-10-995-561-355	Sequence 159, App
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C 745	12	22.6	2302	7	US-11-110-082-20	Sequence 20, Appl	C 818	12	22.6	3502	6	US-10-750-623-40263	Sequence 40263, A
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C 753	12	22.6	2370	6	US-10-750-623-64676	Sequence 64676, A	C 826	12	22.6	3851	6	US-10-750-185-27994	Sequence 27994, A

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828	12	22.6	3935	6	US-10-947-249-162	Sequence 162, App	901	12	22.6	29706	6	US-10-829-826b-68	Sequence 68, Appl
829	12	22.6	3994	7	US-11-136-527-210	Sequence 210, App	902	12	22.6	29711	6	US-10-829-826b-65	Sequence 65, Appl
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834	12	22.6	4341	6	US-10-750-623-24754	Sequence 24754, A	907	12	22.6	29725	6	US-10-829-826b-77	Sequence 77, Appl
835	12	22.6	4360	9	US-11-109-1574-21	Sequence 21, Appl	908	12	22.6	29725	6	US-10-829-826b-81	Sequence 81, Appl
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841	12	22.6	4571	7	US-11-136-527-3372	Sequence 3372, App	914	12	22.6	29727	6	US-10-829-826b-83	Sequence 83, Appl
842	12	22.6	4734	7	US-11-136-527-2518	Sequence 2518, App	915	12	22.6	29727	6	US-10-829-826b-84	Sequence 84, Appl
843	12	22.6	4739	6	US-10-770-726-2	Sequence 2, Appl1	916	12	22.6	29727	6	US-10-829-826b-86	Sequence 86, Appl
844	12	22.6	4804	7	US-11-067-811-3	Sequence 3, Appl1	917	12	22.6	29729	6	US-10-829-826b-76	Sequence 76, Appl
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847	12	22.6	5333	7	US-11-136-527-539	Sequence 539, App	920	12	22.6	29736	6	US-10-829-826b-55	Sequence 55, Appl
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849	12	22.6	5592	7	US-11-193-715-5	Sequence 5, Appl1	922	12	22.6	29736	6	US-10-829-826b-75	Sequence 75, Appl
850	12	22.6	6035	7	US-11-136-527-3751	Sequence 3751, App	923	12	22.6	29740	6	US-10-829-826b-51	Sequence 51, Appl
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853	12	22.6	6254	7	US-11-136-527-3722	Sequence 3722, App	926	12	22.6	29745	6	US-10-829-826b-48	Sequence 48, Appl
854	12	22.6	6450	6	US-10-955-054A-30	Sequence 30, Appl	927	12	22.6	29749	6	US-10-829-826b-88	Sequence 88, Appl
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857	12	22.6	6822	7	US-11-136-527-259	Sequence 259, App	930	12	22.6	29751	6	US-10-829-826b-73	Sequence 73, Appl
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861	12	22.6	7382	7	US-11-122-944A-1	Sequence 1, Appl1	934	12	22.6	29757	6	US-10-829-826b-59	Sequence 59, Appl
862	12	22.6	7474	7	US-11-069-834-49	Sequence 49, Appl	935	12	22.6	31028	6	US-10-829-826b-21	Sequence 21, Appl
863	12	22.6	7542	6	US-10-995-561-11	Sequence 11, Appl	936	12	22.6	31028	6	US-10-829-826b-22	Sequence 22, Appl
864	12	22.6	7653	7	US-11-136-527-2934	Sequence 2934, App	937	12	22.6	31028	6	US-10-829-826b-26	Sequence 26, Appl
865	12	22.6	7666	7	US-11-069-834-51	Sequence 51, Appl	938	12	22.6	31028	6	US-10-829-826b-23	Sequence 23, Appl
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867	12	22.6	8019	7	US-11-136-527-2602	Sequence 2602, App	940	12	22.6	31130	7	US-11-077-716-1	Sequence 1, Appl1
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871	12	22.6	10140	7	US-11-136-527-3169	Sequence 3169, App	944	12	22.6	35896	6	US-10-860-436-1	Sequence 1, Appl1
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879	12	22.6	14172	7	US-11-075-185-2	Sequence 18, Appl1	952	12	22.6	45038	6	US-10-995-561-13311	Sequence 13311, A
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983 12 22.6 138821 7 US-11-121-086-80 Sequence 80, App1
984 12 22.6 144524 7 US-11-004-762-16 Sequence 16, App1
985 12 22.6 150038 7 US-11-121-086-23 Sequence 23, App1
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ALIGNMENTS

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; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C128
; CURRENT APPLICATION NUMBER: US/10/131,826A
; CURRENT FILING DATE: 2002-04-24
; PRIOR APPLICATION NUMBER: 60/049911
; PRIOR FILING DATE: 1997-06-18
; PRIOR APPLICATION NUMBER: 60/056974
; PRIOR FILING DATE: 1997-08-26
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
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; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059117
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059122
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059184
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; PRIOR FILING DATE: 1997-09-17
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; PRIOR FILING DATE: 1997-09-18
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; PRIOR FILING DATE: 1997-09-19
; PRIOR APPLICATION NUMBER: 60/059588
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 550
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; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-131-826A-311
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; GENERAL INFORMATION:
; APPLICANT: Veiboy, Peter Ole
; TITLE OF INVENTION: COMPOSITIONS, KITS, AND METHODS FOR
; TITLE OF INVENTION: IDENTIFICATION, ASSESSMENT, PREVENTION, AND THERAPY OF BREAST
; FILE REFERENCE: MRI-039
; CURRENT APPLICATION NUMBER: US/11/080,991
; CURRENT FILING DATE: 2005-03-11
; PRIOR APPLICATION NUMBER: US/10/176,847
; PRIOR FILING DATE: 2002-06-21
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; LENGTH: 1375
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US-11-080-991-33
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RESULT 3
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; Sequence 4507, Application US/10467657
; Publication No. US20050260581A1
; GENERAL INFORMATION:
; APPLICANT: CHIRON SpA
; APPLICANT: FONTANA Maria Rita
```


APPLICANT: PIZZA Mariagrazia
APPLICANT: MASIGNANI Vega
APPLICANT: MONACI Elisabetta
TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS
FILE REFERENCE:
CURRENT APPLICATION NUMBER: US/10/467,657
CURRENT FILING DATE: 2003-08-11
PRIOR APPLICATION NUMBER: GB-0103424.8
PRIOR FILING DATE: 2001-02-12
NUMBER OF SEQ ID NOS: 9218
SOFTWARE: SeqWin99, version 1.04
SEQ ID NO 4507
LENGTH: 1353
TYPE: DNA
ORGANISM: Neisseria gonorrhoeae
US-10-467-657-4507

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Best Local Similarity 100.0%; Pred. No. 12;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 5 CCGGCCCGCAGCAGA 20
DB 209 CCGGCCCGCAGCAGA 194

RESULT 4
US-10-467-657-8511/C
Sequence 8511, Application US/10467657
Publication No. US20050260581A1
GENERAL INFORMATION:
APPLICANT: CHIRON SPA
APPLICANT: FONTANA Maria Rita
APPLICANT: PIZZA Mariagrazia
APPLICANT: MASIGNANI Vega
APPLICANT: MONACI Elisabetta
TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS
FILE REFERENCE:
CURRENT APPLICATION NUMBER: US/10/467,657
CURRENT FILING DATE: 2003-08-11
PRIOR APPLICATION NUMBER: GB-0103424.8
PRIOR FILING DATE: 2001-02-12
NUMBER OF SEQ ID NOS: 9218
SOFTWARE: SeqWin99, version 1.04
SEQ ID NO 8511
LENGTH: 1353
TYPE: DNA
ORGANISM: Neisseria gonorrhoeae
US-10-467-657-8511

Query Match 30.2%; Score 16; DB 6; Length 1353;
Best Local Similarity 100.0%; Pred. No. 12;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DB 209 CCGGCCCGCAGCAGA 194

RESULT 5
US-11-101-244-945697
Sequence 945697, Application US/11101244
Publication No. US20050246794A1
GENERAL INFORMATION:
APPLICANT: Dharmacon, Inc.
APPLICANT: Khvorova, Anastasia
APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Marshall, William
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: US/11/101,244

CURRENT FILING DATE: 2005-04-07
PRIOR APPLICATION NUMBER: 60/502,050
PRIOR FILING DATE: 2003-09-10
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR FILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SEQ ID NO 945697
LENGTH: 19
TYPE: RNA
ORGANISM: Homo sapiens
US-11-101-244-945697

Query Match 28.3%; Score 15; DB 8; Length 19;
Best Local Similarity 86.7%; Pred. No. 63;
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DB 2 CGAUGAGAGAGAGUG 16

RESULT 6
US-11-083-784-945697
Sequence 945697, Application US/11083784
Publication No. US20050245475A1
GENERAL INFORMATION:
APPLICANT: Dharmacon, Inc.
APPLICANT: Khvorova, Anastasia
APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Marshall, William
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: US/11/083,784
CURRENT FILING DATE: 2005-03-18
PRIOR APPLICATION NUMBER: US/10/714,333
PRIOR FILING DATE: 2003-11-14
PRIOR APPLICATION NUMBER: 60/502,050
PRIOR FILING DATE: 2003-09-10
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR FILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SEQ ID NO 945697
LENGTH: 19
TYPE: RNA
ORGANISM: Homo sapiens
US-11-083-784-945697

Query Match 28.3%; Score 15; DB 9; Length 19;
Best Local Similarity 86.7%; Pred. No. 63;
Matches 13; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 33 CGATGAGAGAGAGTG 47
DB 2 CGAUGAGAGAGAGUG 16

RESULT 7
US-10-914-165-2/C
Sequence 2, Application US/10914165
Publication No. US20050244840A9
GENERAL INFORMATION:
APPLICANT: JACKSON, MARY
APPLICANT: GICQUEL, BRIGITTE
TITLE OF INVENTION: METHOD OF SCREENING ANTI-MYCROBACTERIAL MOLECULES
FILE REFERENCE: 03495.0182-01
CURRENT APPLICATION NUMBER: US/10/914,165
CURRENT FILING DATE: 2004-08-10
PRIOR APPLICATION NUMBER: US/10/383,675
PRIOR FILING DATE: 2003-03-10

```
; PRIOR APPLICATION NUMBER: 09/429,370
; PRIOR FILING DATE: 1999-10-28
; PRIOR APPLICATION NUMBER: 60/113,375
; PRIOR FILING DATE: 1998-11-04
; PRIOR APPLICATION NUMBER: 60/111,813
; PRIOR FILING DATE: 1998-12-11
; PRIOR APPLICATION NUMBER: 09/181,934
; PRIOR FILING DATE: 1998-10-28
; NUMBER OF SEQ ID NOS: 49
; SOFTWARE: Patent In Ver. 2.1
; SEQ ID NO 2
; LENGTH: 33
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: primer
US-10-914-165-2

Query Match      28.3%; Score 15; DB 6; Length 33;
Best Local Similarity 100.0%; Pred. No. 59;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      15 CGACGATGACGAGCG 29
DB      33 CGACGATGACGAGCG 19

RESULT 8
US-10-802-796-526/c
; Sequence 526, Application US/10802796
; Publication No. US20050250104A1
; GENERAL INFORMATION:
; APPLICANT: COLE, STEWART
; APPLICANT: BUCHRIESER-BROSCH, ROLAND
; APPLICANT: GORDON, STEPHEN
; APPLICANT: BILLAULT, ALAIN
; TITLE OF INVENTION: A METHOD FOR ISOLATING A POLYNUCLEOTIDE OF INTEREST
; TITLE OF INVENTION: FROM THE GENOME OF A MYCOBACTERIUM USING A BAC-BASED
; TITLE OF INVENTION: DNA LIBRARY. APPLICATION TO THE DETECTION OF
; FILE REFERENCE: 05394.0011-00000
; CURRENT APPLICATION NUMBER: US/10/802,796
; CURRENT FILING DATE: 2004-03-18
; PRIOR APPLICATION NUMBER: US/09/673,476
; PRIOR FILING DATE: 2002-03-29
; PRIOR APPLICATION NUMBER: PCT/IB99/00740
; PRIOR FILING DATE: 1999-04-16
; PRIOR APPLICATION NUMBER: 09/060,756
; PRIOR FILING DATE: 1998-04-16
; NUMBER OF SEQ ID NOS: 743
; SOFTWARE: Patent In Ver. 2.2
; SEQ ID NO 526
; LENGTH: 173
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
US-10-802-796-526

Query Match      28.3%; Score 15; DB 6; Length 173;
Best Local Similarity 100.0%; Pred. No. 49;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      31 AGCGATGAGGAGGAG 45
DB      54 AGCGATGAGGAGGAG 40

RESULT 9
US-10-802-796-266/c
; Sequence 266, Application US/10802796
; Publication No. US20050250104A1
; GENERAL INFORMATION:
; APPLICANT: COLE, STEWART
; APPLICANT: BUCHRIESER-BROSCH, ROLAND
```

```
; APPLICANT: GORDON, STEPHEN
; APPLICANT: BILLAULT, ALAIN
; TITLE OF INVENTION: A METHOD FOR ISOLATING A POLYNUCLEOTIDE OF INTEREST
; TITLE OF INVENTION: FROM THE GENOME OF A MYCOBACTERIUM USING A BAC-BASED
; TITLE OF INVENTION: DNA LIBRARY. APPLICATION TO THE DETECTION OF
; FILE REFERENCE: 05394.0011-00000
; CURRENT APPLICATION NUMBER: US/10/802,796
; CURRENT FILING DATE: 2004-03-18
; PRIOR APPLICATION NUMBER: US/09/673,476
; PRIOR FILING DATE: 2002-03-29
; PRIOR APPLICATION NUMBER: PCT/IB99/00740
; PRIOR FILING DATE: 1999-04-16
; PRIOR APPLICATION NUMBER: 09/060,756
; PRIOR FILING DATE: 1998-04-16
; NUMBER OF SEQ ID NOS: 743
; SOFTWARE: Patent In Ver. 2.2
; SEQ ID NO 266
; LENGTH: 217
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
; FEATURE:
; NAME/KEY: modified base
; LOCATION: (139)-(140)
; OTHER INFORMATION: a, c, c or g
US-10-802-796-266

Query Match      28.3%; Score 15; DB 6; Length 217;
Best Local Similarity 100.0%; Pred. No. 48;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      15 CGACGATGACGAGCG 29
DB      36 CGACGATGACGAGCG 22

RESULT 10
US-10-802-796-597/c
; Sequence 597, Application US/10802796
; Publication No. US20050250104A1
; GENERAL INFORMATION:
; APPLICANT: COLE, STEWART
; APPLICANT: BUCHRIESER-BROSCH, ROLAND
; APPLICANT: GORDON, STEPHEN
; APPLICANT: BILLAULT, ALAIN
; TITLE OF INVENTION: A METHOD FOR ISOLATING A POLYNUCLEOTIDE OF INTEREST
; TITLE OF INVENTION: FROM THE GENOME OF A MYCOBACTERIUM USING A BAC-BASED
; TITLE OF INVENTION: DNA LIBRARY. APPLICATION TO THE DETECTION OF
; FILE REFERENCE: 05394.0011-00000
; CURRENT APPLICATION NUMBER: US/10/802,796
; CURRENT FILING DATE: 2004-03-18
; PRIOR APPLICATION NUMBER: US/09/673,476
; PRIOR FILING DATE: 2002-03-29
; PRIOR APPLICATION NUMBER: PCT/IB99/00740
; PRIOR FILING DATE: 1999-04-16
; PRIOR APPLICATION NUMBER: 09/060,756
; PRIOR FILING DATE: 1998-04-16
; NUMBER OF SEQ ID NOS: 743
; SOFTWARE: Patent In Ver. 2.2
; SEQ ID NO 597
; LENGTH: 234
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
US-10-802-796-597

Query Match      28.3%; Score 15; DB 6; Length 234;
Best Local Similarity 100.0%; Pred. No. 48;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      31 AGCGATGAGGAGGAG 45
DB      62 AGCGATGAGGAGGAG 48
```


RESULT 11
US-10-802-796-586/c
; Sequence 586, Application US/10802796
; Publication No. US20050250104A1
; GENERAL INFORMATION:
; APPLICANT: COLE, STEWART
; APPLICANT: BUCHRIESER-BROSCH, ROLAND
; APPLICANT: GORDON, STEPHEN
; APPLICANT: BILLAULT, ALAIN
; TITLE OF INVENTION: A METHOD FOR ISOLATING A POLYNUCLEOTIDE OF INTEREST
; TITLE OF INVENTION: FROM THE GENOME OF A MYCOBACTERIUM USING A BAC-BASED
; TITLE OF INVENTION: DNA LIBRARY. APPLICATION TO THE DETECTION OF
; TITLE OF INVENTION: MYCOBACTERIA.
; FILE REFERENCE: 05394.0011-00000
; CURRENT APPLICATION NUMBER: US/10/802,796
; CURRENT FILING DATE: 2004-03-18
; PRIOR APPLICATION NUMBER: US/09/673,476
; PRIOR FILING DATE: 2002-03-29
; PRIOR APPLICATION NUMBER: PCT/IB99/00740
; PRIOR FILING DATE: 1999-04-16
; PRIOR APPLICATION NUMBER: 09/060,756
; PRIOR FILING DATE: 1998-04-16
; NUMBER OF SEQ ID NOS: 743
; SOFTWARE: PatentIn Ver. 2.2
; SEQ ID NO 586
; LENGTH: 241
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
US-10-802-796-586

Query Match 28.3%; Score 15; DB 6; Length 241;
Best Local Similarity 100.0%; Pred. No. 47;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 31 AGCGATGAGGAGGAG 45
Db 42 AGCGATGAGGAGGAG 28

RESULT 12
US-10-802-796-635/c
; Sequence 635, Application US/10802796
; Publication No. US20050250104A1
; GENERAL INFORMATION:
; APPLICANT: COLE, STEWART
; APPLICANT: BUCHRIESER-BROSCH, ROLAND
; APPLICANT: GORDON, STEPHEN
; APPLICANT: BILLAULT, ALAIN
; TITLE OF INVENTION: A METHOD FOR ISOLATING A POLYNUCLEOTIDE OF INTEREST
; TITLE OF INVENTION: FROM THE GENOME OF A MYCOBACTERIUM USING A BAC-BASED
; TITLE OF INVENTION: DNA LIBRARY. APPLICATION TO THE DETECTION OF
; TITLE OF INVENTION: MYCOBACTERIA.
; FILE REFERENCE: 05394.0011-00000
; CURRENT APPLICATION NUMBER: US/10/802,796
; CURRENT FILING DATE: 2004-03-18
; PRIOR APPLICATION NUMBER: US/09/673,476
; PRIOR FILING DATE: 2002-03-29
; PRIOR APPLICATION NUMBER: PCT/IB99/00740
; PRIOR FILING DATE: 1999-04-16
; PRIOR APPLICATION NUMBER: 09/060,756
; PRIOR FILING DATE: 1998-04-16
; NUMBER OF SEQ ID NOS: 743
; SOFTWARE: PatentIn Ver. 2.2
; SEQ ID NO 635
; LENGTH: 376
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
US-10-802-796-635

Query Match 28.3%; Score 15; DB 6; Length 376;
Best Local Similarity 100.0%; Pred. No. 45;

Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 31 AGCGATGAGGAGGAG 45
Db 65 AGCGATGAGGAGGAG 51

RESULT 13
US-10-802-796-521/c
; Sequence 521, Application US/10802796
; Publication No. US20050250104A1
; GENERAL INFORMATION:
; APPLICANT: COLE, STEWART
; APPLICANT: BUCHRIESER-BROSCH, ROLAND
; APPLICANT: GORDON, STEPHEN
; APPLICANT: BILLAULT, ALAIN
; TITLE OF INVENTION: A METHOD FOR ISOLATING A POLYNUCLEOTIDE OF INTEREST
; TITLE OF INVENTION: FROM THE GENOME OF A MYCOBACTERIUM USING A BAC-BASED
; TITLE OF INVENTION: DNA LIBRARY. APPLICATION TO THE DETECTION OF
; TITLE OF INVENTION: MYCOBACTERIA.
; FILE REFERENCE: 05394.0011-00000
; CURRENT APPLICATION NUMBER: US/10/802,796
; CURRENT FILING DATE: 2004-03-18
; PRIOR APPLICATION NUMBER: US/09/673,476
; PRIOR FILING DATE: 2002-03-29
; PRIOR APPLICATION NUMBER: PCT/IB99/00740
; PRIOR FILING DATE: 1999-04-16
; PRIOR APPLICATION NUMBER: 09/060,756
; PRIOR FILING DATE: 1998-04-16
; NUMBER OF SEQ ID NOS: 743
; SOFTWARE: PatentIn Ver. 2.2
; SEQ ID NO 521
; LENGTH: 406
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
US-10-802-796-521

Query Match 28.3%; Score 15; DB 6; Length 406;
Best Local Similarity 100.0%; Pred. No. 45;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 31 AGCGATGAGGAGGAG 45
Db 37 AGCGATGAGGAGGAG 23

RESULT 14
US-10-802-796-60/c
; Sequence 60, Application US/10802796
; Publication No. US20050250104A1
; GENERAL INFORMATION:
; APPLICANT: COLE, STEWART
; APPLICANT: BUCHRIESER-BROSCH, ROLAND
; APPLICANT: GORDON, STEPHEN
; APPLICANT: BILLAULT, ALAIN
; TITLE OF INVENTION: A METHOD FOR ISOLATING A POLYNUCLEOTIDE OF INTEREST
; TITLE OF INVENTION: FROM THE GENOME OF A MYCOBACTERIUM USING A BAC-BASED
; TITLE OF INVENTION: DNA LIBRARY. APPLICATION TO THE DETECTION OF
; TITLE OF INVENTION: MYCOBACTERIA.
; FILE REFERENCE: 05394.0011-00000
; CURRENT APPLICATION NUMBER: US/10/802,796
; CURRENT FILING DATE: 2004-03-18
; PRIOR APPLICATION NUMBER: US/09/673,476
; PRIOR FILING DATE: 2002-03-29
; PRIOR APPLICATION NUMBER: PCT/IB99/00740
; PRIOR FILING DATE: 1999-04-16
; PRIOR APPLICATION NUMBER: 09/060,756
; PRIOR FILING DATE: 1998-04-16
; NUMBER OF SEQ ID NOS: 743
; SOFTWARE: PatentIn Ver. 2.2
; SEQ ID NO 60
; LENGTH: 448
; TYPE: DNA

```

; ORGANISM: Mycobacterium tuberculosis
; FEATURE:
; NAME/KEY: modified_base
; LOCATION: (154)..(155)
; OTHER INFORMATION: a, t, c or g
; FEATURE:
; NAME/KEY: modified_base
; LOCATION: (322)
; OTHER INFORMATION: a, t, c or g
; FEATURE:
; NAME/KEY: modified_base
; LOCATION: (334)
; OTHER INFORMATION: a, t, c or g
; FEATURE:
; NAME/KEY: modified_base
; LOCATION: (347)
; OTHER INFORMATION: a, t, c or g
US-10-802-796-60
```

```
Query Match      28.3%; Score 15; DB 6; Length 448;
Best Local Similarity 100.0%; Pred. No. 44;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy      31 AGCGATGAGGAGGAG 45
Db      408 AGCGATGAGGAGGAG 394
```

```

RESULT 15
US-10-467-657-6779/c
; Sequence 6779, Application US/10467657
; Publication No. US20050260581A1
; GENERAL INFORMATION:
; APPLICANT: CHIRON SPA
; APPLICANT: FONTANA Maria Rita
; APPLICANT: PIZZA Mariagrazia
; APPLICANT: MASIGNANI Vega
; APPLICANT: MONACI Elisabetta
; TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS
; FILE REFERENCE:
; CURRENT APPLICATION NUMBER: US/10/467,657
; CURRENT FILING DATE: 2003-08-11
; PRIOR APPLICATION NUMBER: GB-0103424.8
; PRIOR FILING DATE: 2001-02-12
; NUMBER OF SEQ ID NOS: 9218
; SOFTWARE: SeqMan99, version 1.04
; SEQ ID NO 6779
; LENGTH: 1536
; TYPE: DNA
; ORGANISM: Neisseria gonorrhoeae
US-10-467-657-6779
```

```
Query Match      28.3%; Score 15; DB 6; Length 1536;
Best Local Similarity 100.0%; Pred. No. 39;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy      8 GCGCCGACGACGATG 22
Db      1406 GCGCCGACGACGATG 1392
```

```

RESULT 16
US-10-914-165-36
; Sequence 36, Application US/10914165
; Publication No. US20050244840A9
; GENERAL INFORMATION:
; APPLICANT: JACKSON, MARY
; APPLICANT: GICQUEL, BRIGITTE
; TITLE OF INVENTION: METHOD OF SCREENING ANTI-MYCOBACTERIAL MOLECULES
; FILE REFERENCE: 03495.0182-01
; CURRENT APPLICATION NUMBER: US/10/914,165
; CURRENT FILING DATE: 2004-08-10
; PRIOR APPLICATION NUMBER: US/10/383,675
```

```

; PRIOR FILING DATE: 2003-03-10
; PRIOR APPLICATION NUMBER: 09/429,370
; PRIOR FILING DATE: 1999-10-28
; PRIOR APPLICATION NUMBER: 60/113,375
; PRIOR FILING DATE: 1998-11-04
; PRIOR APPLICATION NUMBER: 60/111,813
; PRIOR FILING DATE: 1998-12-11
; PRIOR APPLICATION NUMBER: 09/181,934
; PRIOR FILING DATE: 1998-10-28
; NUMBER OF SEQ ID NOS: 49
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 36
; LENGTH: 1600
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (549)..(1562)
US-10-914-165-36
```

```
Query Match      28.3%; Score 15; DB 6; Length 1600;
Best Local Similarity 100.0%; Pred. No. 39;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy      15 CGACGATGCAGACGC 29
Db      1571 CGACGATGCAGACGC 1585
```

```

RESULT 17
US-10-750-185-36768/c
; Sequence 36768, Application US/10750185
; Publication No. US20050260603A1
; GENERAL INFORMATION:
; APPLICANT: MMI GENOMICS, INC.
; APPLICANT: DENISE, Sue K.
; APPLICANT: KERR, Richard
; APPLICANT: ROSENFELD, David
; APPLICANT: HOLM, Tom
; APPLICANT: BATES, Stephen
; APPLICANT: FANTIN, Dennis
; TITLE OF INVENTION: COMPOSITIONS FOR INFERRING BOVINE TRAITS
; FILE REFERENCE: MM1100-2
; CURRENT APPLICATION NUMBER: US/10/750,185
; CURRENT FILING DATE: 2003-12-31
; PRIOR APPLICATION NUMBER: US 60/437,482
; PRIOR FILING DATE: 2002-12-31
; NUMBER OF SEQ ID NOS: 64922
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 36768
; LENGTH: 1877
; TYPE: DNA
; ORGANISM: Bovine 1986680532175
US-10-750-185-36768
```

```
Query Match      28.3%; Score 15; DB 6; Length 1877;
Best Local Similarity 100.0%; Pred. No. 38;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy      37 GAGGAGGAGTGGCGC 51
Db      430 GAGGAGGAGTGGCGC 416
```

```

RESULT 18
US-10-750-623-36768/c
; Sequence 36768, Application US/10750623
; Publication No. US20050287531A1
; GENERAL INFORMATION:
; APPLICANT: MMI GENOMICS, INC.
; APPLICANT: DENISE, Sue K.
; APPLICANT: KERR, Richard
; APPLICANT: ROSENFELD, David
```

```
; APPLICANT: HOLM, Tom
; APPLICANT: BATES, Stephen
; APPLICANT: PANTIN, Dennis
; TITLE OF INVENTION: METHODS AND SYSTEMS FOR INFERRING BOVINE TRAITS
; FILE REFERENCE: MM11100-1
; CURRENT APPLICATION NUMBER: US/10/750,623
; CURRENT FILING DATE: 2003-12-31
; PRIOR APPLICATION NUMBER: US 60/437,482
; PRIOR FILING DATE: 2002-12-31
; NUMBER OF SEQ ID NOS: 64922
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 36768
; LENGTH: 1877
; TYPE: RNA
; ORGANISM: Bovine 1986680532175
US-10-750-623-36768
```

```
Query Match 28.3%; Score 15; DB 6; Length 1877;
Best Local Similarity 100.0%; Pred. No. 38;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 37 GAGAGAGAGTGGCC 51
Db 430 GAGAGAGAGTGGCC 416
```

RESULT 19

```
US-11-101-244-728214
; Sequence 728214, Application US/11101244
; Publication No. US20050246794A1
; GENERAL INFORMATION:
; APPLICANT: Dharmacon, Inc.
; APPLICANT: Khvorova, Anastasia
; APPLICANT: Reynolds, Angela
; APPLICANT: Leake, Devin
; APPLICANT: Marshall, William
; APPLICANT: Scaringe, Stephen
; TITLE OF INVENTION: Functional and Hyperfunctional siRNA
; FILE REFERENCE: 13499US
; CURRENT APPLICATION NUMBER: US/11/101,244
; CURRENT FILING DATE: 2005-04-07
; PRIOR APPLICATION NUMBER: 60/502,050
; PRIOR FILING DATE: 2003-09-10
; PRIOR APPLICATION NUMBER: 60/426,137
; PRIOR FILING DATE: 2002-11-14
; NUMBER OF SEQ ID NOS: 1591911
; SOFTWARE: Proprietary
; SEQ ID NO 728214
; LENGTH: 19
; TYPE: RNA
; ORGANISM: Homo sapiens
US-11-101-244-728214
```

```
Query Match 26.4%; Score 14; DB 8; Length 19;
Best Local Similarity 92.9%; Pred. No. 2.1e+02;
Matches 13; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 32 GCGATGAGAGAG 45
Db 1 GCGATGAGAGAG 14
```

RESULT 20

```
US-11-101-244-945687
; Sequence 945687, Application US/11101244
; Publication No. US20050246794A1
; GENERAL INFORMATION:
; APPLICANT: Dharmacon, Inc.
; APPLICANT: Khvorova, Anastasia
; APPLICANT: Reynolds, Angela
; APPLICANT: Leake, Devin
; APPLICANT: Marshall, William
; APPLICANT: Scaringe, Stephen
```

```
; TITLE OF INVENTION: Functional and Hyperfunctional siRNA
; FILE REFERENCE: 13499US
; CURRENT APPLICATION NUMBER: US/11/101,244
; CURRENT FILING DATE: 2005-04-07
; PRIOR APPLICATION NUMBER: 60/502,050
; PRIOR FILING DATE: 2003-09-10
; PRIOR APPLICATION NUMBER: 60/426,137
; PRIOR FILING DATE: 2002-11-14
; NUMBER OF SEQ ID NOS: 1591911
; SOFTWARE: Proprietary
; SEQ ID NO 945687
; LENGTH: 19
; TYPE: RNA
; ORGANISM: Homo sapiens
US-11-101-244-945687
```

```
Query Match 26.4%; Score 14; DB 8; Length 19;
Best Local Similarity 85.7%; Pred. No. 2.1e+02;
Matches 12; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 34 GATGAGAGAGTGG 47
Db 1 GATGAGAGAGTGG 14
```

RESULT 21

```
US-11-101-244-1317804
; Sequence 1317804, Application US/11101244
; Publication No. US20050246794A1
; GENERAL INFORMATION:
; APPLICANT: Dharmacon, Inc.
; APPLICANT: Khvorova, Anastasia
; APPLICANT: Reynolds, Angela
; APPLICANT: Leake, Devin
; APPLICANT: Marshall, William
; APPLICANT: Scaringe, Stephen
; TITLE OF INVENTION: Functional and Hyperfunctional siRNA
; FILE REFERENCE: 13499US
; CURRENT APPLICATION NUMBER: US/11/101,244
; CURRENT FILING DATE: 2005-04-07
; PRIOR APPLICATION NUMBER: 60/502,050
; PRIOR FILING DATE: 2003-09-10
; PRIOR APPLICATION NUMBER: 60/426,137
; PRIOR FILING DATE: 2002-11-14
; NUMBER OF SEQ ID NOS: 1591911
; SOFTWARE: Proprietary
; SEQ ID NO 1317804
; LENGTH: 19
; TYPE: RNA
; ORGANISM: Homo sapiens
US-11-101-244-1317804
```

```
Query Match 26.4%; Score 14; DB 8; Length 19;
Best Local Similarity 85.7%; Pred. No. 2.1e+02;
Matches 12; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 35 ATGAGAGAGTGG 48
Db 4 ATGAGAGAGTGG 17
```

RESULT 22

```
US-11-083-784-728214
; Sequence 728214, Application US/11083784
; Publication No. US20050245475A1
; GENERAL INFORMATION:
; APPLICANT: Dharmacon, Inc.
; APPLICANT: Khvorova, Anastasia
; APPLICANT: Reynolds, Angela
; APPLICANT: Leake, Devin
; APPLICANT: Marshall, William
; APPLICANT: Scaringe, Stephen
; TITLE OF INVENTION: Functional and Hyperfunctional siRNA
```

```

; FILE REFERENCE: 13499US
; CURRENT APPLICATION NUMBER: US/11/083,784
; CURRENT FILING DATE: 2005-03-18
; PRIOR APPLICATION NUMBER: US/10/714,333
; PRIOR FILING DATE: 2003-11-14
; PRIOR APPLICATION NUMBER: 60/502,050
; PRIOR FILING DATE: 2003-09-10
; PRIOR APPLICATION NUMBER: 60/426,137
; PRIOR FILING DATE: 2002-11-14
; NUMBER OF SEQ ID NOS: 1591911
; SOFTWARE: Proprietary
; SEQ ID NO 728214
; LENGTH: 19
; TYPE: RNA
; ORGANISM: Homo sapiens
US-11-083-784-728214

Query Match      26.4%; Score 14; DB 9; Length 19;
Best Local Similarity 92.9%; Pred. No. 2.1e+02;
Matches 13; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy      32 GCGATGAGAGAGAG 45
Db      1 GCGATGAGAGAGAG 14

RESULT 23
US-11-083-784-945687
; Sequence 945687, Application US/11083784
; Publication No. US2005024475A1
; GENERAL INFORMATION:
; APPLICANT: Dharmacon, Inc.
; APPLICANT: Khvorova, Anastasia
; APPLICANT: Reynolds, Angela
; APPLICANT: Leake, Devin
; APPLICANT: Marshall, William
; APPLICANT: Scaringe, Stephen
; TITLE OF INVENTION: Functional and Hyperfunctional siRNA
; FILE REFERENCE: 13499US
; CURRENT APPLICATION NUMBER: US/11/083,784
; CURRENT FILING DATE: 2005-03-18
; PRIOR APPLICATION NUMBER: US/10/714,333
; PRIOR FILING DATE: 2003-11-14
; PRIOR APPLICATION NUMBER: 60/502,050
; PRIOR FILING DATE: 2003-09-10
; PRIOR APPLICATION NUMBER: 60/426,137
; PRIOR FILING DATE: 2002-11-14
; NUMBER OF SEQ ID NOS: 1591911
; SOFTWARE: Proprietary
; SEQ ID NO 945687
; LENGTH: 19
; TYPE: RNA
; ORGANISM: Homo sapiens
US-11-083-784-945687

Query Match      26.4%; Score 14; DB 9; Length 19;
Best Local Similarity 85.7%; Pred. No. 2.1e+02;
Matches 12; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy      34 GATGAGAGAGAGTGC 47
Db      1 GATGAGAGAGAGTGC 14

RESULT 24
US-11-083-784-1317804
; Sequence 1317804, Application US/11083784
; Publication No. US20050245475A1
; GENERAL INFORMATION:
; APPLICANT: Dharmacon, Inc.
; APPLICANT: Khvorova, Anastasia
; APPLICANT: Reynolds, Angela
; APPLICANT: Leake, Devin
```

```

; APPLICANT: Marshall, William
; APPLICANT: Scaringe, Stephen
; TITLE OF INVENTION: Functional and Hyperfunctional siRNA
; FILE REFERENCE: 13499US
; CURRENT APPLICATION NUMBER: US/11/083,784
; CURRENT FILING DATE: 2005-03-18
; PRIOR APPLICATION NUMBER: US/10/714,333
; PRIOR FILING DATE: 2003-11-14
; PRIOR APPLICATION NUMBER: 60/502,050
; PRIOR FILING DATE: 2003-09-10
; PRIOR APPLICATION NUMBER: 60/426,137
; PRIOR FILING DATE: 2002-11-14
; NUMBER OF SEQ ID NOS: 1591911
; SOFTWARE: Proprietary
; SEQ ID NO 1317804
; LENGTH: 19
; TYPE: RNA
; ORGANISM: Homo sapiens
US-11-083-784-1317804

Query Match      26.4%; Score 14; DB 9; Length 19;
Best Local Similarity 85.7%; Pred. No. 2.1e+02;
Matches 12; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy      35 ATGAGAGAGAGTGC 48
Db      4 AUGAGAGAGAGTGC 17

RESULT 25
US-10-310-914A-813859/C
; Sequence 813859, Application US/10310914A
; Publication No. US20060003322A1
; GENERAL INFORMATION:
; APPLICANT: Bentwich, Isaac
; APPLICANT: Shlier, Krutaz
; TITLE OF INVENTION: Bioinformatically detectable group of novel regulatory genes and
; TITLE OF INVENTION: uses thereof
; FILE REFERENCE: 06087.0200.CPUS01
; CURRENT APPLICATION NUMBER: US/10/310,914A
; CURRENT FILING DATE: 2002-12-06
; NUMBER OF SEQ ID NOS: 1388402
; SOFTWARE: Patentin version 3.3
; SEQ ID NO 813859
; LENGTH: 22
; TYPE: RNA
; ORGANISM: Human
US-10-310-914A-813859

Query Match      26.4%; Score 14; DB 6; Length 22;
Best Local Similarity 100.0%; Pred. No. 2.1e+02;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      37 GAGGAGAGTGGCG 50
Db      14 GAGGAGAGTGGCG 1

RESULT 26
US-10-310-914A-813864/C
; Sequence 813864, Application US/10310914A
; Publication No. US20060003322A1
; GENERAL INFORMATION:
; APPLICANT: Bentwich, Isaac
; APPLICANT: Shlier, Krutaz
; TITLE OF INVENTION: Bioinformatically detectable group of novel regulatory genes and
; TITLE OF INVENTION: uses thereof
; FILE REFERENCE: 06087.0200.CPUS01
; CURRENT APPLICATION NUMBER: US/10/310,914A
; CURRENT FILING DATE: 2002-12-06
; NUMBER OF SEQ ID NOS: 1388402
; SOFTWARE: Patentin version 3.3
; SEQ ID NO 813864
```

; LENGTH: 24
; TYPE: RNA
; ORGANISM: Human
US-10-310-914A-813864

Query Match 26.4%; Score 14; DB 6; Length 24;
Best Local Similarity 100.0%; Pred. No. 2e+02;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 37 GAGGAGAGTGGCG 50
DB 24 GAGGAGAGTGGCG 11

RESULT 27
US-10-995-561-9566
; Sequence 9566, Application US/10995561
; Publication No. US20050272054A1
; GENERAL INFORMATION:

; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
; FILE REFERENCE: CL001559
; CURRENT APPLICATION NUMBER: US/10/995,561
; CURRENT FILING DATE: 2004-11-24
; NUMBER OF SEQ ID NOS: 85702
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 9566
; LENGTH: 201
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-995-561-9566

Query Match 26.4%; Score 14; DB 6; Length 201;
Best Local Similarity 100.0%; Pred. No. 1.6e+02;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 31 AGCGATGAGAGGA 44
DB 75 AGCGATGAGAGGA 88

RESULT 28
US-10-995-561-9588
; Sequence 9588, Application US/10995561
; Publication No. US20050272054A1
; GENERAL INFORMATION:

; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
; FILE REFERENCE: CL001559
; CURRENT APPLICATION NUMBER: US/10/995,561
; CURRENT FILING DATE: 2004-11-24
; NUMBER OF SEQ ID NOS: 85702
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 9588
; LENGTH: 201
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-995-561-9588

Query Match 26.4%; Score 14; DB 6; Length 201;
Best Local Similarity 100.0%; Pred. No. 1.6e+02;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 31 AGCGATGAGAGGA 44
DB 75 AGCGATGAGAGGA 88

RESULT 29

US-10-995-561-9618
; Sequence 9618, Application US/10995561
; Publication No. US20050272054A1
; GENERAL INFORMATION:

; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
; FILE REFERENCE: CL001559
; CURRENT APPLICATION NUMBER: US/10/995,561
; CURRENT FILING DATE: 2004-11-24
; NUMBER OF SEQ ID NOS: 85702
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 9618
; LENGTH: 201
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-995-561-9618

Query Match 26.4%; Score 14; DB 6; Length 201;
Best Local Similarity 100.0%; Pred. No. 1.6e+02;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 31 AGCGATGAGAGGA 44
DB 75 AGCGATGAGAGGA 88

RESULT 30
US-10-995-561-9648
; Sequence 9648, Application US/10995561
; Publication No. US20050272054A1
; GENERAL INFORMATION:

; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
; FILE REFERENCE: CL001559
; CURRENT APPLICATION NUMBER: US/10/995,561
; CURRENT FILING DATE: 2004-11-24
; NUMBER OF SEQ ID NOS: 85702
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 9648
; LENGTH: 201
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-995-561-9648

Query Match 26.4%; Score 14; DB 6; Length 201;
Best Local Similarity 100.0%; Pred. No. 1.6e+02;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 31 AGCGATGAGAGGA 44
DB 75 AGCGATGAGAGGA 88

RESULT 31
US-10-995-561-51603
; Sequence 51603, Application US/10995561
; Publication No. US20050272054A1
; GENERAL INFORMATION:

; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
; FILE REFERENCE: CL001559
; CURRENT APPLICATION NUMBER: US/10/995,561
; CURRENT FILING DATE: 2004-11-24
; NUMBER OF SEQ ID NOS: 85702
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 51603
; LENGTH: 201

```
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-995-561-51603

Query Match
Best Local Similarity 100.0%; Score 14; DB 6; Length 201;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      31 AGCGATGAGGAGA 44
Db      75 AGCGATGAGGAGA 88

RESULT 32
US-10-750-185-59548
; Sequence 59548, Application US/10750185
; Publication No. US20050260603A1
; GENERAL INFORMATION:
; APPLICANT: MMI GENOMICS, INC.
; APPLICANT: DENISE, Sue K.
; APPLICANT: KERR, Richard
; APPLICANT: ROSENFELD, David
; APPLICANT: HOLM, Tom
; APPLICANT: BATES, Stephen
; APPLICANT: FANTIN, Dennis
; TITLE OF INVENTION: COMPOSITIONS FOR INFERRING BOVINE TRAITS
; FILE REFERENCE: MM1100-2
; CURRENT APPLICATION NUMBER: US/10/750,185
; CURRENT FILING DATE: 2003-12-31
; PRIOR APPLICATION NUMBER: US 60/437,482
; PRIOR FILING DATE: 2002-12-31
; NUMBER OF SEQ ID NOS: 64922
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 59548
; LENGTH: 674
; TYPE: DNA
; ORGANISM: Bovine 1986680688147
US-10-750-185-59548

Query Match
Best Local Similarity 100.0%; Score 14; DB 6; Length 674;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      31 AGCGATGAGGAGA 44
Db      127 AGCGATGAGGAGA 140

RESULT 33
US-10-750-623-59548
; Sequence 59548, Application US/10750623
; Publication No. US20050287531A1
; GENERAL INFORMATION:
; APPLICANT: MMI GENOMICS, INC.
; APPLICANT: DENISE, Sue K.
; APPLICANT: KERR, Richard
; APPLICANT: ROSENFELD, David
; APPLICANT: HOLM, Tom
; APPLICANT: BATES, Stephen
; APPLICANT: FANTIN, Dennis
; TITLE OF INVENTION: METHODS AND SYSTEMS FOR INFERRING BOVINE TRAITS
; FILE REFERENCE: MM1100-1
; CURRENT APPLICATION NUMBER: US/10/750,623
; CURRENT FILING DATE: 2003-12-31
; PRIOR APPLICATION NUMBER: US 60/437,482
; PRIOR FILING DATE: 2002-12-31
; NUMBER OF SEQ ID NOS: 64922
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 59548
; LENGTH: 674
; TYPE: DNA
; ORGANISM: Bovine 1986680688147
US-10-750-623-59548
```

```
Query Match
Best Local Similarity 100.0%; Score 14; DB 6; Length 674;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      31 AGCGATGAGGAGA 44
Db      127 AGCGATGAGGAGA 140

RESULT 34
US-10-467-657-2587
; Sequence 2587, Application US/10467657
; Publication No. US20050260581A1
; GENERAL INFORMATION:
; APPLICANT: CHIRON Spa
; APPLICANT: FONTANA Maria Rita
; APPLICANT: PIZZA Mariagrazia
; APPLICANT: MASTIGNANI Vega
; APPLICANT: MORACI Elisabetta
; TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS
; FILE REFERENCE:
; CURRENT APPLICATION NUMBER: US/10/467,657
; CURRENT FILING DATE: 2003-08-11
; PRIOR APPLICATION NUMBER: GB-0103424.8
; PRIOR FILING DATE: 2001-02-12
; NUMBER OF SEQ ID NOS: 9218
; SOFTWARE: SeqWIn9, version 1.04
; SEQ ID NO 2587
; LENGTH: 921
; TYPE: DNA
; ORGANISM: Neisseria gonorrhoeae
US-10-467-657-2587

Query Match
Best Local Similarity 100.0%; Score 14; DB 6; Length 921;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      7 TGGCGCGAGGACGA 20
Db      594 TGGCGCGAGGACGA 607

RESULT 35
US-10-750-185-39369/c
; Sequence 39369, Application US/10750185
; Publication No. US20050260603A1
; GENERAL INFORMATION:
; APPLICANT: MMI GENOMICS, INC.
; APPLICANT: DENISE, Sue K.
; APPLICANT: KERR, Richard
; APPLICANT: ROSENFELD, David
; APPLICANT: HOLM, Tom
; APPLICANT: BATES, Stephen
; APPLICANT: FANTIN, Dennis
; TITLE OF INVENTION: COMPOSITIONS FOR INFERRING BOVINE TRAITS
; FILE REFERENCE: MM1100-2
; CURRENT APPLICATION NUMBER: US/10/750,185
; CURRENT FILING DATE: 2003-12-31
; PRIOR APPLICATION NUMBER: US 60/437,482
; PRIOR FILING DATE: 2002-12-31
; NUMBER OF SEQ ID NOS: 64922
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 39369
; LENGTH: 1097
; TYPE: DNA
; ORGANISM: Bovine 19866881231646
US-10-750-185-39369

Query Match
Best Local Similarity 100.0%; Score 14; DB 6; Length 1097;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

QY 37 GAGGAGAGTGCGG 50
|||||
Db 231 GAGGAGAGTGCGG 218

RESULT 36
US-10-750-623-39369/c
; Sequence 39369, Application US/10750623
; Publication No. US20050287531A1
; GENERAL INFORMATION:
; APPLICANT: MMT GENOMICS, INC.
; APPLICANT: DENISE, Sue K.
; APPLICANT: KERR, Richard
; APPLICANT: ROSENFELD, David
; APPLICANT: HOLM, Tom
; APPLICANT: BATES, Stephen
; APPLICANT: FANTIN, Dennis
; TITLE OF INVENTION: METHODS AND SYSTEMS FOR INFERRING BOVINE TRAITS
; FILE REFERENCE: MM1100-1
; CURRENT APPLICATION NUMBER: US/10/750,623
; PRIOR FILING DATE: 2003-12-31
; PRIOR APPLICATION NUMBER: US 60/437,482
; NUMBER OF SEQ ID NOS: 64922
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 39369
; LENGTH: 1097
; TYPE: DNA
; ORGANISM: Bovine 19866881231646
US-10-750-623-39369

Query Match 26.4%; Score 14; DB 6; Length 1097;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 37 GAGGAGAGTGCGG 50
|||||
Db 231 GAGGAGAGTGCGG 218

RESULT 37
US-11-109-056-2/c
; Sequence 2, Application US/11109056
; Publication No. US20050260232A1
; GENERAL INFORMATION:
; APPLICANT: ALBERT EINSTEIN COLLEGE OF MEDICINE OF YESHIVA UNIVERSITY
; APPLICANT: JACOBS, JR., William R.
; APPLICANT: BLOOM, Barry
; APPLICANT: HONDALUS, Mary K.
; APPLICANT: SAMPSON, Samantha
; APPLICANT: SAMBANDAMURTHY, Vasan
; TITLE OF INVENTION: ATTENUATED MYCOBACTERIUM TUBERCULOSIS VACCINES
; FILE REFERENCE: 96700/821
; CURRENT APPLICATION NUMBER: US/11/109,056
; PRIOR FILING DATE: 2005-04-19
; PRIOR APPLICATION NUMBER: US 10/351,452
; PRIOR FILING DATE: 2003-01-24
; PRIOR APPLICATION NUMBER: US 60/358,152
; PRIOR FILING DATE: 2002-02-19
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 2
; LENGTH: 1298
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
US-11-109-056-2

Query Match 26.4%; Score 14; DB 7; Length 1298;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 2 TGACCTGCGCCGAC 15
|||||

Db 357 TGACCTGCGCCGAC 344

RESULT 38
US-10-750-185-38129
; Sequence 38129, Application US/10750185
; Publication No. US20050260603A1
; GENERAL INFORMATION:
; APPLICANT: MMT GENOMICS, INC.
; APPLICANT: DENISE, Sue K.
; APPLICANT: KERR, Richard
; APPLICANT: ROSENFELD, David
; APPLICANT: HOLM, Tom
; APPLICANT: BATES, Stephen
; APPLICANT: FANTIN, Dennis
; TITLE OF INVENTION: COMPOSITIONS FOR INFERRING BOVINE TRAITS
; FILE REFERENCE: MM1100-2
; CURRENT APPLICATION NUMBER: US/10/750,185
; PRIOR FILING DATE: 2003-12-31
; PRIOR APPLICATION NUMBER: US 60/437,482
; NUMBER OF SEQ ID NOS: 64922
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 38129
; LENGTH: 1363
; TYPE: DNA
; ORGANISM: Bovine 19866881029115
US-10-750-185-38129

Query Match 26.4%; Score 14; DB 6; Length 1363;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 34 GATGAGAGGAGTG 47
|||||
Db 324 GATGAGAGGAGTG 337

RESULT 39
US-10-750-623-38129
; Sequence 38129, Application US/10750623
; Publication No. US20050287531A1
; GENERAL INFORMATION:
; APPLICANT: MMT GENOMICS, INC.
; APPLICANT: DENISE, Sue K.
; APPLICANT: KERR, Richard
; APPLICANT: ROSENFELD, David
; APPLICANT: HOLM, Tom
; APPLICANT: BATES, Stephen
; APPLICANT: FANTIN, Dennis
; TITLE OF INVENTION: METHODS AND SYSTEMS FOR INFERRING BOVINE TRAITS
; FILE REFERENCE: MM1100-1
; CURRENT APPLICATION NUMBER: US/10/750,623
; PRIOR FILING DATE: 2003-12-31
; PRIOR APPLICATION NUMBER: US 60/437,482
; PRIOR FILING DATE: 2002-12-31
; NUMBER OF SEQ ID NOS: 64922
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 38129
; LENGTH: 1363
; TYPE: DNA
; ORGANISM: Bovine 19866881029115
US-10-750-623-38129

Query Match 26.4%; Score 14; DB 6; Length 1363;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 34 GATGAGAGGAGTG 47
|||||
Db 324 GATGAGAGGAGTG 337

RESULT 40
US-10-750-185-32438/c
; Sequence 32438, Application US/10750185
; Publication No. US200502603A1
; GENERAL INFORMATION:
; APPLICANT: MMI GENOMICS, INC.
; APPLICANT: DENISE, Sue K.
; APPLICANT: KERR, Richard
; APPLICANT: ROSENFELD, David
; APPLICANT: HOLM, Tom
; APPLICANT: BATES, Stephen
; APPLICANT: PANTIN, Dennis
; TITLE OF INVENTION: COMPOSITIONS FOR INFERRING BOVINE TRAITS
; FILE REFERENCE: MM11100-2
; CURRENT APPLICATION NUMBER: US/10/750,185
; CURRENT FILING DATE: 2003-12-31
; PRIOR APPLICATION NUMBER: US 60/437,482
; PRIOR FILING DATE: 2002-12-31
; NUMBER OF SEQ ID NOS: 64922
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 32438
; LENGTH: 1792
; TYPE: DNA
; ORGANISM: Bovine 19866880842186
US-10-750-185-32438

Query Match 26.4%; Score 14; DB 6; Length 1792;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 36 TGAGGAGGAGTGGC 49
Db 1757 TGAGGAGGAGTGGC 1744

RESULT 41
US-10-750-623-32438/c
; Sequence 32438, Application US/10750623
; Publication No. US2005028753A1
; GENERAL INFORMATION:
; APPLICANT: MMI GENOMICS, INC.
; APPLICANT: DENISE, Sue K.
; APPLICANT: KERR, Richard
; APPLICANT: ROSENFELD, David
; APPLICANT: HOLM, Tom
; APPLICANT: BATES, Stephen
; APPLICANT: PANTIN, Dennis
; TITLE OF INVENTION: METHODS AND SYSTEMS FOR INFERRING BOVINE TRAITS
; FILE REFERENCE: MM11100-1
; CURRENT APPLICATION NUMBER: US/10/750,623
; CURRENT FILING DATE: 2003-12-31
; PRIOR APPLICATION NUMBER: US 60/437,482
; PRIOR FILING DATE: 2002-12-31
; NUMBER OF SEQ ID NOS: 64922
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 32438
; LENGTH: 1792
; TYPE: DNA
; ORGANISM: Bovine 19866880842186
US-10-750-623-32438

Query Match 26.4%; Score 14; DB 6; Length 1792;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 36 TGAGGAGGAGTGGC 49
Db 1757 TGAGGAGGAGTGGC 1744

RESULT 42
US-10-467-657-5451/c
; Sequence 5451, Application US/10467657

; Publication No. US20050260581A1
; GENERAL INFORMATION:
; APPLICANT: CHIRON SPA
; APPLICANT: FONTANA Maria Rita
; APPLICANT: PIZZA Mariagrazia
; APPLICANT: MASIGNANI Vega
; APPLICANT: MONACI Elisabetta
; TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS
; FILE REFERENCE:
; CURRENT APPLICATION NUMBER: US/10/467,657
; CURRENT FILING DATE: 2003-08-11
; PRIOR APPLICATION NUMBER: GB-0103424.8
; PRIOR FILING DATE: 2001-02-12
; NUMBER OF SEQ ID NOS: 9218
; SOFTWARE: SeqWIn99, version 1.04
; SEQ ID NO 5451
; LENGTH: 1893
; TYPE: DNA
; ORGANISM: Neisseria gonorrhoeae
US-10-467-657-5451

Query Match 26.4%; Score 14; DB 6; Length 1893;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 9 CGCCGACGACGATG 22
Db 49 CGCCGACGACGATG 36

RESULT 43
US-10-467-657-7395/c
; Sequence 7395, Application US/10467657
; Publication No. US20050260581A1
; GENERAL INFORMATION:
; APPLICANT: CHIRON SPA
; APPLICANT: FONTANA Maria Rita
; APPLICANT: PIZZA Mariagrazia
; APPLICANT: MASIGNANI Vega
; APPLICANT: MONACI Elisabetta
; TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS
; FILE REFERENCE:
; CURRENT APPLICATION NUMBER: US/10/467,657
; CURRENT FILING DATE: 2003-08-11
; PRIOR APPLICATION NUMBER: GB-0103424.8
; PRIOR FILING DATE: 2001-02-12
; NUMBER OF SEQ ID NOS: 9218
; SOFTWARE: SeqWIn99, version 1.04
; SEQ ID NO 7395
; LENGTH: 1893
; TYPE: DNA
; ORGANISM: Neisseria gonorrhoeae
US-10-467-657-7395

Query Match 26.4%; Score 14; DB 6; Length 1893;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 9 CGCCGACGACGATG 22
Db 49 CGCCGACGACGATG 36

RESULT 44
US-11-080-991-75/c
; Sequence 75, Application US/11080991
; Publication No. US20050266437A1
; GENERAL INFORMATION:
; APPLICANT: Velby, Petter Ole
; TITLE OF INVENTION: COMPOSITIONS, KITS, AND METHODS FOR
; IDENTIFICATION, ASSESSMENT, PREVENTION, AND THERAPY OF BREAST
; AND OVARIAN CANCER
; FILE REFERENCE: MRI-039

US-10-821-234-313

Query Match
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

US-10-821-234-313/C
Sequence 313, Application US/10821234
Publication No. US20050255114A1
GENERAL INFORMATION:
APPLICANT: Labat, Ivan
APPLICANT: Stache-Crain, Birgit
APPLICANT: Andarmant, Susan
APPLICANT: Tang, Y. Tom
TITLE OF INVENTION: Methods for Diagnosis and Treatment of Preeclampsia
FILE REFERENCE: 821A
CURRENT APPLICATION NUMBER: US/10/821,234
CURRENT FILING DATE: 2004-04-07
PRIOR APPLICATION NUMBER: US 60/462,047
PRIOR FILING DATE: 2003-04-07
NUMBER OF SEQ ID NOS: 1704
SOFTWARE: pc_seq_genes Version 1.0
SEQ ID NO 313
LENGTH: 2861
TYPE: DNA
ORGANISM: Homo sapiens

US-10-623-155-135/C
Sequence 135, Application US/10623155
Publication No. US20050261166A1
GENERAL INFORMATION:
APPLICANT: Wang, Tongtong
APPLICANT: Peckham, David W.
APPLICANT: Reiter, Marc W.
APPLICANT: Fanger, Gary R.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
FILE REFERENCE: 210121.455C20
CURRENT APPLICATION NUMBER: US/10/623,155
CURRENT FILING DATE: 2003-07-17
NUMBER OF SEQ ID NOS: 560
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 135
LENGTH: 2856
TYPE: DNA
ORGANISM: Homo sapiens

US-10-623-155-135
Sequence 135, Application US/10623155
Publication No. US20050261166A1
GENERAL INFORMATION:
APPLICANT: Wang, Tongtong
APPLICANT: Peckham, David W.
APPLICANT: Reiter, Marc W.
APPLICANT: Fanger, Gary R.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
FILE REFERENCE: 210121.455C20
CURRENT APPLICATION NUMBER: US/10/623,155
CURRENT FILING DATE: 2003-07-17
NUMBER OF SEQ ID NOS: 560
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 135
LENGTH: 2856
TYPE: DNA
ORGANISM: Homo sapiens

US-10-821-234-313/C
Sequence 313, Application US/10821234
Publication No. US20050255114A1
GENERAL INFORMATION:
APPLICANT: Labat, Ivan
APPLICANT: Stache-Crain, Birgit
APPLICANT: Andarmant, Susan
APPLICANT: Tang, Y. Tom
TITLE OF INVENTION: Methods for Diagnosis and Treatment of Preeclampsia
FILE REFERENCE: 821A
CURRENT APPLICATION NUMBER: US/10/821,234
CURRENT FILING DATE: 2004-04-07
PRIOR APPLICATION NUMBER: US 60/462,047
PRIOR FILING DATE: 2003-04-07
NUMBER OF SEQ ID NOS: 1704
SOFTWARE: pc_seq_genes Version 1.0
SEQ ID NO 313
LENGTH: 2861
TYPE: DNA
ORGANISM: Homo sapiens

US-10-821-234-313

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Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

US-10-507-275-2
Sequence 2, Application US/10507275
Publication No. US20050250166A1
GENERAL INFORMATION:
APPLICANT: Masai, Hisao
APPLICANT: Tamai, Katsuyuki
APPLICANT: Medical and Biological Laboratories Co., Ltd.
APPLICANT: Japan Science and Technology Agency
APPLICANT: Ginkgo Biomedical Research Institute Co., Ltd.
TITLE OF INVENTION: Cdc7-Ask Kinase Complex, Substrates of the Kinase Complex,
TITLE OF INVENTION: Specific Antibodies to the Substrates, and Screening Methods
TITLE OF INVENTION: Using the Same to Screen for Compounds Comprising Cdc7-Ask
FILE REFERENCE: 082368-001100US
CURRENT APPLICATION NUMBER: US/10/507,275
CURRENT FILING DATE: 2004-09-09
PRIOR APPLICATION NUMBER: JP 2002-067702
PRIOR FILING DATE: 2002-03-12
PRIOR APPLICATION NUMBER: WO PCT/JP03/02918
PRIOR FILING DATE: 2003-03-12
NUMBER OF SEQ ID NOS: 21
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 2
LENGTH: 3379
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: (31)..(2709)
US-10-507-275-2

US-10-507-275-2
Sequence 2, Application US/10507275
Publication No. US20050250166A1
GENERAL INFORMATION:
APPLICANT: Masai, Hisao
APPLICANT: Tamai, Katsuyuki
APPLICANT: Medical and Biological Laboratories Co., Ltd.
APPLICANT: Japan Science and Technology Agency
APPLICANT: Ginkgo Biomedical Research Institute Co., Ltd.
TITLE OF INVENTION: Cdc7-Ask Kinase Complex, Substrates of the Kinase Complex,
TITLE OF INVENTION: Specific Antibodies to the Substrates, and Screening Methods
TITLE OF INVENTION: Using the Same to Screen for Compounds Comprising Cdc7-Ask
FILE REFERENCE: 082368-001100US
CURRENT APPLICATION NUMBER: US/10/507,275
CURRENT FILING DATE: 2004-09-09
PRIOR APPLICATION NUMBER: JP 2002-067702
PRIOR FILING DATE: 2002-03-12
PRIOR APPLICATION NUMBER: WO PCT/JP03/02918
PRIOR FILING DATE: 2003-03-12
NUMBER OF SEQ ID NOS: 21
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 2
LENGTH: 3379
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: (31)..(2709)
US-10-507-275-2

US-10-507-275-2
Sequence 2, Application US/10507275
Publication No. US20050250166A1
GENERAL INFORMATION:
APPLICANT: Masai, Hisao
APPLICANT: Tamai, Katsuyuki
APPLICANT: Medical and Biological Laboratories Co., Ltd.
APPLICANT: Japan Science and Technology Agency
APPLICANT: Ginkgo Biomedical Research Institute Co., Ltd.
TITLE OF INVENTION: Cdc7-Ask Kinase Complex, Substrates of the Kinase Complex,
TITLE OF INVENTION: Specific Antibodies to the Substrates, and Screening Methods
TITLE OF INVENTION: Using the Same to Screen for Compounds Comprising Cdc7-Ask
FILE REFERENCE: 082368-001100US
CURRENT APPLICATION NUMBER: US/10/507,275
CURRENT FILING DATE: 2004-09-09
PRIOR APPLICATION NUMBER: JP 2002-067702
PRIOR FILING DATE: 2002-03-12
PRIOR APPLICATION NUMBER: WO PCT/JP03/02918
PRIOR FILING DATE: 2003-03-12
NUMBER OF SEQ ID NOS: 21
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 2
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TYPE: DNA
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FEATURE:
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LOCATION: (31)..(2709)
US-10-507-275-2

US-11-087-227-11
Sequence 11, Application US/11087227
Publication No. US20050260566A1
GENERAL INFORMATION:
APPLICANT: Fischer, Timothy J.
APPLICANT: Malinowski, Douglas P.
APPLICANT: Taylor, Adrian J.
APPLICANT: Parker, Margaret R.
TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR THE
TITLE OF INVENTION: DETECTION OF CERVICAL DISEASE
FILE REFERENCE: 046143/287139
CURRENT APPLICATION NUMBER: US/11/087,227
CURRENT FILING DATE: 2005-03-23
PRIOR APPLICATION NUMBER: 60/556,495
PRIOR FILING DATE: 2004-03-24
NUMBER OF SEQ ID NOS: 90
SOFTWARE: FastSeq for Windows Version 4.0
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; Sequence 795, Application US/11128061
; Publication No. US2006003958A1
; GENERAL INFORMATION:
; APPLICANT: Melville, Mark W.
; APPLICANT: Charlebois, Timothy S.
; APPLICANT: Mounts, William M.
; APPLICANT: Hann, Louane E.
; APPLICANT: Sinacore, Martin S.
; APPLICANT: Leonard, Mark W.
; APPLICANT: Brown, Eugene L.
; APPLICANT: Miller, Christopher P.
; TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES RELATED TO OLIGONUCLEOTIDE ARRAYS
; TITLE OF INVENTION: TO MONITOR GENE EXPRESSION
; FILE REFERENCE: 01997.027701
; CURRENT APPLICATION NUMBER: US/11/128,061
; CURRENT FILING DATE: 2005-05-11
; PRIOR APPLICATION NUMBER: US 60/570,425
; PRIOR FILING DATE: 2004-05-11
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; ORGANISM: Cricetus griseus
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US-11-128-061-795

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; Sequence 350, Application US/10995561
; Publication No. US20050272054A1
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
; TITLE OF INVENTION: DETECTION AND USES THEREOF
; FILE REFERENCE: CL001559
; CURRENT APPLICATION NUMBER: US/10/995,561
; CURRENT FILING DATE: 2004-11-24
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; NUMBER OF SEQ ID NOS: 85702
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 350
; LENGTH: 4473
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-995-561-350

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Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Search completed: January 12, 2006, 03:29:02
Job time : 328 secs
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OM nucleic - nucleic search, using sw model

Run on: January 11, 2006, 18:37:01 ; Search time 81.1525 Seconds
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416.175 Million cell updates/sec

Title: US-10-086-206a-4
Perfect score: 19
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Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 1303057 seqs, 888780828 residues

Total number of hits satisfying chosen parameters: 2606114

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Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 1000 summaries

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Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

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3	19	100.0	4411529	3	US-09-103-840A-1	Sequence 1, Appl
4	15.8	83.2	126	3	US-09-934-289A-11	Sequence 11, Appl
5	15.8	83.2	126	3	US-09-934-289A-27	Sequence 27, Appl
6	15.8	83.2	126	3	US-09-934-289A-39	Sequence 39, Appl
7	15.8	83.2	126	3	US-09-934-289A-53	Sequence 53, Appl
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9	15.8	83.2	558	3	US-09-934-289A-31	Sequence 31, Appl
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11	15.8	83.2	579	3	US-09-934-289A-3	Sequence 3, Appl
12	15.8	83.2	591	3	US-09-146-950-19	Sequence 19, Appl
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19	15.8	83.2	1707	3	US-09-934-289A-17	Sequence 17, Appl
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21	15.8	83.2	1724	3	US-09-333-279-1	Sequence 1, Appl
22	15.8	83.2	1724	3	US-09-631-780-1	Sequence 1, Appl
23	15.8	83.2	1724	3	US-09-934-289A-14	Sequence 14, Appl
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C	28	15.8	83.2	2313	3	US-09-934-289A-29	Sequence 29, Appl
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C	34	15.8	83.2	84227	3	US-09-949-016-117374	Sequence 117374, A
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C	36	15.4	81.1	1674	3	US-09-252-991A-3990	Sequence 3990, Ap
C	37	14.8	77.9	1029	3	US-09-902-540-2317	Sequence 2317, Ap
C	38	14.8	77.9	1773	3	US-09-902-540-7746	Sequence 7746, Ap
C	39	14.8	77.9	1865	3	US-09-722-971-13	Sequence 13, Appl
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C 111	14.2	74.7	1599	3	US-09-252-991A-8617	Sequence 8617, Ap	C 184	13.8	72.6	20	2	US-08-910-629A-43	Sequence 43, Appl1
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C 119	14.2	74.7	2099	3	US-09-606-421B-158	Sequence 158, App	C 192	13.8	72.6	20	3	US-10-177-573-2	Sequence 2, Appl1
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C 121	14.2	74.7	2099	3	US-09-466-396A-158	Sequence 158, App	C 194	13.8	72.6	171	2	US-08-456-647B-9	Sequence 9, Appl1
C 122	14.2	74.7	2099	3	US-09-476-496A-158	Sequence 158, App	C 195	13.8	72.6	171	2	US-08-237-401A-9	Sequence 9, Appl1
C 123	14.2	74.7	2099	3	US-09-630-940B-158	Sequence 158, App	C 196	13.8	72.6	270	3	US-09-252-991A-13786	Sequence 13786, A
C 124	14.2	74.7	2099	3	US-09-285-479-158	Sequence 158, App	C 197	13.8	72.6	348	3	US-09-902-540-3437	Sequence 3437, Ap
C 125	14.2	74.7	2099	3	US-10-007-700-158	Sequence 158, App	C 198	13.8	72.6	411	3	US-09-252-991A-4337	Sequence 4337, Ap
C 126	14.2	74.7	2169	3	US-09-023-655-870	Sequence 870, App	C 199	13.8	72.6	420	3	US-09-252-991A-13552	Sequence 13552, A
C 127	14.2	74.7	2532	3	US-09-252-991A-12912	Sequence 12912, A	C 200	13.8	72.6	459	3	US-09-252-991A-11692	Sequence 11692, A
C 128	14.2	74.7	2580	3	US-09-902-540-7003	Sequence 7003, Ap	C 201	13.8	72.6	507	3	US-09-280-116-189	Sequence 189, App
C 129	14.2	74.7	2749	3	US-09-991-181-516	Sequence 516, App	C 202	13.8	72.6	512	3	US-09-280-116-190	Sequence 190, App
C 130	14.2	74.7	2749	3	US-09-990-833A-215	Sequence 215, App	C 203	13.8	72.6	561	3	US-09-270-767-3592	Sequence 3592, Ap
C 131	14.2	74.7	2749	3	US-09-990-444-516	Sequence 516, App	C 204	13.8	72.6	561	3	US-09-270-767-18874	Sequence 18874, A
C 132	14.2	74.7	2749	3	US-09-997-333-516	Sequence 516, App	C 205	13.8	72.6	583	3	US-09-221-017B-466	Sequence 466, App
C 133	14.2	74.7	2749	3	US-09-992-598-516	Sequence 516, App	C 206	13.8	72.6	586	3	US-09-533-559-831	Sequence 831, App
C 134	14.2	74.7	2749	3	US-10-020-445A-215	Sequence 215, App	C 207	13.8	72.6	601	3	US-09-949-016-31145	Sequence 31145, A
C 135	14.2	74.7	3555	3	US-09-720-583A-1	Sequence 1, Appl1	C 208	13.8	72.6	601	3	US-09-949-016-47212	Sequence 47212, A
C 136	14.2	74.7	3927	3	US-09-949-016-4179	Sequence 4179, Ap	C 209	13.8	72.6	601	3	US-09-949-016-203405	Sequence 203405, A
C 137	14.2	74.7	4075	3	US-09-902-540-614	Sequence 614, App	C 210	13.8	72.6	681	3	US-09-902-540-3124	Sequence 3124, Ap
C 138	14.2	74.7	6200	3	US-09-902-540-8618	Sequence 8618, Ap	C 211	13.8	72.6	687	3	US-09-533-559-6238	Sequence 6238, Ap
C 139	14.2	74.7	6200	3	US-09-993-241-1	Sequence 1, Appl1	C 212	13.8	72.6	707	3	US-10-001-189-40	Sequence 40, Appl1
C 140	14.2	74.7	7826	3	US-08-306-691B-42	Sequence 42, Appl1	C 213	13.8	72.6	813	3	US-09-489-039A-768	Sequence 768, App
C 141	14.2	74.7	8367	2	US-09-902-540-860	Sequence 860, App	C 214	13.8	72.6	850	3	US-09-533-559-5936	Sequence 5936, App
C 142	14.2	74.7	8367	2	US-08-583-562B-7	Sequence 7, Appl1	C 215	13.8	72.6	924	3	US-09-902-540-8534	Sequence 8534, Ap
C 143	14.2	74.7	8368	3	US-08-779-113-7	Sequence 7, Appl1	C 216	13.8	72.6	924	3	US-09-252-991A-4257	Sequence 4257, Ap
C 144	14.2	74.7	8368	3	US-09-949-016-311	Sequence 211, App	C 217	13.8	72.6	930	3	US-09-252-991A-13453	Sequence 13453, A
C 145	14.2	74.7	8368	3	US-09-949-016-4986	Sequence 4865, Ap	C 218	13.8	72.6	933	3	US-09-280-116-191	Sequence 191, App
C 146	14.2	74.7	8870	3	US-09-949-016-12473	Sequence 12473, A	C 219	13.8	72.6	1254	3	US-09-252-991A-11842	Sequence 11842, A
C 147	14.2	74.7	9053	3	US-09-902-540-815	Sequence 815, App	C 220	13.8	72.6	1500	3	US-09-902-540-8851	Sequence 8851, Ap
C 148	14.2	74.7	9512	3	US-09-949-016-17320	Sequence 17320, A	C 221	13.8	72.6	1521	2	US-08-726-136-20	Sequence 20, Appl1
C 149	14.2	74.7	9936	3	US-09-902-540-999	Sequence 999, App	C 222	13.8	72.6	1521	3	US-09-103-434-20	Sequence 20, Appl1
C 150	14.2	74.7	10023	3	US-09-252-991A-6997	Sequence 6997, App	C 223	13.8	72.6	1531	3	US-09-687-594-420	Sequence 420, Appl1
C 151	14.2	74.7	10061	3	US-09-221-017B-672	Sequence 672, App	C 224	13.8	72.6	1531	3	US-09-620-3120-8	Sequence 8, Appl1
C 152	14.2	74.7	11103	3	US-09-949-016-12911	Sequence 12911, A	C 225	13.8	72.6	1666	3	US-09-270-767-15102	Sequence 15102, A
C 153	14.2	74.7	12707	3	US-09-949-016-16828	Sequence 16828, A	C 226	13.8	72.6	1666	3	US-09-570-253-9	Sequence 9, Appl1
C 154	14.2	74.7	13751	3	US-09-902-540-1099	Sequence 1099, Ap	C 227	13.8	72.6	2468	3	US-09-252-991A-5907	Sequence 5907, Ap
C 155	14.2	74.7	14158	3	US-09-902-540-1102	Sequence 1102, Ap	C 228	13.8	72.6	3765	3	US-09-902-540-482	Sequence 482, App
C 156	14.2	74.7	14158	3	US-09-902-540-1069	Sequence 1069, Ap	C 229	13.8	72.6	3765	3	US-09-902-540-4347	Sequence 4347, Ap
C 157	14.2	74.7	20099	3	US-09-949-016-13784	Sequence 13784, A	C 230	13.8	72.6	3546	2	US-08-162-809-9	Sequence 9, Appl1
C 158	14.2	74.7	21758	3	US-09-902-540-1238	Sequence 1238, Ap	C 231	13.8	72.6	3551	2	US-08-162-809-13	Sequence 13, Appl1
C 159	14.2	74.7	28974	3	US-09-949-016-17508	Sequence 17508, A	C 232	13.8	72.6	3652	3	US-10-001-189-41	Sequence 41, Appl1
C 160	14.2	74.7	29365	3	US-09-949-016-11953	Sequence 11953, A	C 233	13.8	72.6	3765	3	US-09-555-169-1	Sequence 1, Appl1
C 161	14.2	74.7	29966	3	US-09-949-016-16788	Sequence 16788, A	C 234	13.8	72.6	4076	3	US-09-902-540-1347	Sequence 1347, Ap
C 162	14.2	74.7	38653	3	US-09-949-016-15987	Sequence 15987, A	C 235	13.8	72.6	4613	3	US-10-001-189-46	Sequence 46, Appl1
C 163	14.2	74.7	58857	3	US-09-477-962-1	Sequence 1, Appl1	C 236	13.8	72.6	4941	3	US-10-001-189-53	Sequence 53, Appl1
C 164	14.2	74.7	68750	3	US-09-335-409-1	Sequence 1, Appl1	C 237	13.8	72.6	4943	3	US-10-001-189-54	Sequence 54, Appl1
C 165	14.2	74.7	68750	3	US-09-568-102-1	Sequence 1, Appl1	C 238	13.8	72.6	4944	3	US-10-001-189-55	Sequence 55, Appl1
C 166	14.2	74.7	68750	3	US-09-567-969-1	Sequence 1, Appl1	C 239	13.8	72.6	4944	3	US-10-001-189-56	Sequence 56, Appl1
C 167	14.2	74.7	68750	3	US-09-568-480-1	Sequence 1, Appl1	C 240	13.8	72.6	4951	3	US-10-001-189-51	Sequence 51, Appl1
C 168	14.2	74.7	68750	3	US-09-568-486-1	Sequence 1, Appl1	C 241	13.8	72.6	4952	3	US-10-001-189-52	Sequence 52, Appl1
C 169	14.2	74.7	68750	3	US-09-568-472-1	Sequence 1, Appl1	C 242	13.8	72.6	8518	3	US-09-902-540-899	Sequence 899, App
C 170	14.2	74.7	68750	3	US-09-567-899-1	Sequence 1, Appl1	C 243	13.8	72.6	8999	3	US-10-001-189-48	Sequence 48, Appl1

C 244	13.8	72.6	9012	3	US-10-001-189-49	Sequence 49, Appl	317	13.4	70.5	7515	3	US-09-902-540-888	Sequence 888, App
C 245	13.8	72.6	9013	3	US-10-001-189-50	Sequence 50, Appl	C 318	13.4	70.5	8221	3	US-09-902-540-979	Sequence 979, App
C 246	13.8	72.6	9993	3	US-09-902-540-942	Sequence 942, App	C 319	13.4	70.5	9419	3	US-09-562-702A-7	Sequence 7, Appl
C 247	13.8	72.6	10029	3	US-09-949-016-11846	Sequence 11846, A	C 320	13.4	70.5	9420	3	US-09-562-702A-3	Sequence 3, Appl
C 248	13.8	72.6	10029	3	US-09-949-016-16140	Sequence 16140, A	C 321	13.4	70.5	9534	3	US-09-562-702A-5	Sequence 5, Appl
C 249	13.8	72.6	10178	3	US-09-902-540-977	Sequence 977, App	C 322	13.4	70.5	9534	3	US-09-561-709B-8	Sequence 8, Appl
C 250	13.8	72.6	15268	3	US-09-902-540-1142	Sequence 1142, App	C 323	13.4	70.5	9534	3	US-09-917-254-35	Sequence 35, Appl
C 251	13.8	72.6	16387	3	US-09-902-540-1163	Sequence 1163, App	C 324	13.4	70.5	9534	3	US-09-949-016-66	Sequence 66, Appl
C 252	13.8	72.6	21490	3	US-09-949-016-14168	Sequence 14168, A	C 325	13.4	70.5	9535	3	US-09-562-702A-1	Sequence 1, Appl
C 253	13.8	72.6	22306	3	US-09-453-7028-251	Sequence 251, App	C 326	13.4	70.5	9537	3	US-09-562-702A-166	Sequence 166, App
C 254	13.8	72.6	22306	3	US-10-114-170-251	Sequence 251, App	C 327	13.4	70.5	15024	3	US-09-843-250-11	Sequence 11, Appl
C 255	13.8	72.6	25709	3	US-09-949-016-13338	Sequence 13338, A	C 328	13.4	70.5	18075	3	US-09-949-016-16643	Sequence 16643, App
C 256	13.8	72.6	41927	3	US-09-902-540-1268	Sequence 1268, App	C 329	13.4	70.5	21295	3	US-09-902-540-1194	Sequence 1194, App
C 257	13.8	72.6	46819	3	US-09-453-7028-72	Sequence 72, Appl	C 330	13.4	70.5	36519	3	US-08-923-137-2	Sequence 2, Appl
C 258	13.8	72.6	46819	3	US-10-114-170-72	Sequence 72, Appl	C 331	13.4	70.5	174170	3	US-09-949-016-14810	Sequence 14810, A
C 259	13.8	72.6	58821	3	US-09-949-016-15897	Sequence 15897, A	C 332	13.4	70.5	174170	3	US-09-949-016-14811	Sequence 14811, A
C 260	13.8	72.6	58824	3	US-09-949-016-12615	Sequence 12615, A	C 333	13.4	70.5	174318	3	US-09-949-016-11880	Sequence 11880, A
C 261	13.8	72.6	76962	3	US-09-949-016-17482	Sequence 17482, A	C 334	13.4	70.5	174318	3	US-09-949-016-14812	Sequence 14812, A
C 262	13.8	72.6	76985	3	US-09-949-016-12416	Sequence 12416, A	C 335	13.4	70.5	174318	3	US-09-949-016-14813	Sequence 14813, A
C 263	13.8	72.6	76986	3	US-09-949-016-13120	Sequence 13120, A	C 336	13.4	70.5	636591	3	US-09-949-016-11808	Sequence 11808, A
C 264	13.4	70.5	50	3	US-10-131-827-1754	Sequence 1754, App	C 337	13.4	70.5	636591	3	US-09-949-016-13388	Sequence 13388, A
C 265	13.4	70.5	50	3	US-10-131-827-5537	Sequence 5537, App	C 338	13.2	69.5	18	2	US-08-093-741-33	Sequence 33, Appl
C 266	13.4	70.5	288	3	US-09-902-540-8446	Sequence 8446, App	C 339	13.2	69.5	18	2	US-08-120-012-33	Sequence 33, Appl
C 267	13.4	70.5	401	3	US-09-621-976-15706	Sequence 15706, A	C 340	13.2	69.5	25	3	US-09-936-1966B-18815	Sequence 18815, A
C 268	13.4	70.5	424	3	US-09-640-211A-512	Sequence 512, App	C 341	13.2	69.5	26	2	US-08-093-741-34	Sequence 34, Appl
C 269	13.4	70.5	424	3	US-09-640-211A-1651	Sequence 1651, App	C 342	13.2	69.5	26	2	US-08-720-012-34	Sequence 34, Appl
C 270	13.4	70.5	438	3	US-09-615-192A-187	Sequence 187, App	C 343	13.2	69.5	99	3	US-09-513-999C-15480	Sequence 15480, A
C 271	13.4	70.5	446	3	US-09-902-540-1342	Sequence 1342, App	C 344	13.2	69.5	183	3	US-09-489-038A-5895	Sequence 5895, App
C 272	13.4	70.5	503	3	US-09-921-976-15705	Sequence 15705, A	C 345	13.2	69.5	249	3	US-09-513-999C-2530	Sequence 2530, App
C 273	13.4	70.5	588	3	US-09-925-991A-11997	Sequence 11997, A	C 346	13.2	69.5	321	3	US-09-513-999C-8601	Sequence 8601, App
C 274	13.4	70.5	601	3	US-09-949-016-56944	Sequence 56944, A	C 347	13.2	69.5	339	3	US-09-902-540-5119	Sequence 5119, App
C 275	13.4	70.5	601	3	US-09-949-016-56945	Sequence 56945, A	C 348	13.2	69.5	340	3	US-08-836-075A-73	Sequence 73, Appl
C 276	13.4	70.5	601	3	US-09-949-016-110720	Sequence 110720, A	C 349	13.2	69.5	366	3	US-09-711-164-282	Sequence 282, App
C 277	13.4	70.5	601	3	US-09-949-016-110881	Sequence 110881, A	C 350	13.2	69.5	414	3	US-09-252-991A-428	Sequence 428, App
C 278	13.4	70.5	601	3	US-09-949-016-11042	Sequence 11042, A	C 351	13.2	69.5	423	3	US-09-952-991A-12661	Sequence 12661, App
C 279	13.4	70.5	601	3	US-09-949-016-111203	Sequence 111203, A	C 352	13.2	69.5	426	3	US-09-252-991A-7324	Sequence 7324, App
C 280	13.4	70.5	606	3	US-09-489-039A-1642	Sequence 1642, App	C 353	13.2	69.5	437	3	US-09-385-982-444	Sequence 444, App
C 281	13.4	70.5	648	3	US-09-902-540-3939	Sequence 3939, App	C 354	13.2	69.5	504	3	US-09-252-991A-7291	Sequence 7291, App
C 282	13.4	70.5	632	3	US-09-914-098-15	Sequence 15, Appl	C 355	13.2	69.5	510	3	US-09-248-796A-3475	Sequence 3475, App
C 283	13.4	70.5	1359	3	US-09-252-991A-12056	Sequence 12056, A	C 356	13.2	69.5	512	3	US-09-621-976-1282	Sequence 1282, App
C 284	13.4	70.5	1545	3	US-09-489-039A-2857	Sequence 2857, App	C 357	13.2	69.5	519	3	US-09-452-991A-1194	Sequence 1194, App
C 285	13.4	70.5	1578	2	US-08-681-129-1	Sequence 1, Appl	C 358	13.2	69.5	537	3	US-09-489-039A-3823	Sequence 3823, App
C 286	13.4	70.5	1578	2	US-09-489-039A-2854	Sequence 2854, App	C 359	13.2	69.5	591	6	US-08-149-101A-4	Sequence 4, Appl
C 287	13.4	70.5	2115	3	US-09-914-098-41	Sequence 41, Appl	C 360	13.2	69.5	591	6	US-09-533-559-2955	Sequence 2955, App
C 288	13.4	70.5	2420	3	US-10-104-047-1825	Sequence 1825, App	C 361	13.2	69.5	596	3	US-09-949-016-128510	Sequence 128510, A
C 289	13.4	70.5	3113	3	US-09-894-998A-52	Sequence 52, Appl	C 362	13.2	69.5	601	3	US-09-949-016-134372	Sequence 134372, A
C 290	13.4	70.5	3113	3	US-10-237-551-52	Sequence 52, Appl	C 363	13.2	69.5	601	3	US-09-949-016-171833	Sequence 171833, A
C 291	13.4	70.5	3208	2	US-07-972-791-3	Sequence 3, Appl	C 364	13.2	69.5	606	3	US-09-270-767-434	Sequence 434, App
C 292	13.4	70.5	3208	2	US-07-972-791-3	Sequence 3, Appl	C 365	13.2	69.5	606	3	US-09-270-767-15716	Sequence 15716, A
C 293	13.4	70.5	3345	2	US-07-972-791-7	Sequence 7, Appl	C 366	13.2	69.5	640	3	US-09-351-150A-54	Sequence 54, Appl
C 294	13.4	70.5	3345	2	US-07-972-791-7	Sequence 7, Appl	C 367	13.2	69.5	640	3	US-09-302-540-6579	Sequence 6579, App
C 295	13.4	70.5	3345	3	US-09-894-998A-49	Sequence 49, Appl	C 368	13.2	69.5	675	3	US-09-533-559-6386	Sequence 6386, App
C 296	13.4	70.5	3345	3	US-10-237-551-49	Sequence 49, Appl	C 369	13.2	69.5	687	3	US-09-351-559-6386	Sequence 6386, App
C 297	13.4	70.5	3345	3	US-10-237-551-189	Sequence 189, App	C 370	13.2	69.5	744	3	US-09-252-991A-13301	Sequence 13301, A
C 298	13.4	70.5	3346	2	US-07-972-791-4	Sequence 4, Appl	C 371	13.2	69.5	744	3	US-09-252-991A-13301	Sequence 13301, A
C 299	13.4	70.5	3346	2	US-07-972-791-4	Sequence 4, Appl	C 372	13.2	69.5	744	3	US-09-252-991A-13301	Sequence 13301, A
C 300	13.4	70.5	3346	2	US-07-972-791-5	Sequence 5, Appl	C 373	13.2	69.5	759	3	US-09-252-991A-11304	Sequence 11304, A
C 301	13.4	70.5	3347	2	US-07-972-791-2	Sequence 2, Appl	C 374	13.2	69.5	759	3	US-09-252-991A-16011	Sequence 16011, A
C 302	13.4	70.5	3347	2	US-07-972-791-2	Sequence 2, Appl	C 375	13.2	69.5	762	3	US-09-252-991A-1792	Sequence 1792, App
C 303	13.4	70.5	3347	2	US-07-972-791-8	Sequence 8, Appl	C 376	13.2	69.5	765	3	US-09-252-991A-10467	Sequence 10467, A
C 304	13.4	70.5	3347	2	US-07-972-791-8	Sequence 8, Appl	C 377	13.2	69.5	780	3	US-09-252-991A-12981	Sequence 12981, A
C 305	13.4	70.5	3350	3	US-09-894-998A-48	Sequence 48, Appl	C 378	13.2	69.5	783	3	US-09-252-991A-12981	Sequence 12981, A
C 306	13.4	70.5	3350	3	US-10-237-551-48	Sequence 48, Appl	C 379	13.2	69.5	786	3	US-09-252-991A-10699	Sequence 10699, A
C 307	13.4	70.5	3361	2	US-07-972-791-6	Sequence 6, Appl	C 380	13.2	69.5	786	3	US-09-252-991A-12498	Sequence 12498, A
C 308	13.4	70.5	3361	2	US-07-972-791-6	Sequence 6, Appl	C 381	13.2	69.5	816	3	US-09-328-352-611	Sequence 611, App
C 309	13.4	70.5	3378	2	US-07-972-791-1	Sequence 1, Appl	C 382	13.2	69.5	837	3	US-09-252-991A-7547	Sequence 7547, App
C 310	13.4	70.5	3434	9	5310649-1	Patent No. 5310649	C 383	13.2	69.5	840	3	US-08-860-370-9	Sequence 9, Appl
C 311	13.4	70.5	3434	9	5310649-1	Patent No. 5310649	C 384	13.2	69.5	843	3	US-09-252-991A-11363	Sequence 11363, A
C 312	13.4	70.5	3554	2	US-08-460-309-1	Sequence 1, Appl	C 385	13.2	69.5	846	3	US-09-802-540-4104	Sequence 4104, App
C 313	13.4	70.5	3554	2	US-08-125-077-1	Sequence 1, Appl	C 386	13.2	69.5	876	3	US-09-252-991A-8431	Sequence 8431, App
C 314	13.4	70.5	3554	2	5444158-1	Patent No. 5444158	C 387	13.2	69.5	882	2	US-08-622-354-4	Sequence 4, Appl
C 315	13.4	70.5	6373	3	US-09-902-540-9156	Sequence 9156, App	C 388	13.2	69.5	930	3	US-09-252-991A-11343	Sequence 11343, A
C 316	13.4	70.5	6779	3	US-09-843-250-13	Sequence 13, Appl	C 389	13.2	69.5	963	3	US-09-252-991A-1730	Sequence 1730, App

390	13.2	69.5	1002	3	US-09-252-991A-8415	Sequence 8415, Ap	463	13.2	69.5	2064	3	US-09-252-991A-9616	Sequence 9616, Ap
391	13.2	69.5	1008	3	US-09-902-540-5144	Sequence 5144, Ap	464	13.2	69.5	2088	3	US-09-023-653-340	Sequence 340, App
392	13.2	69.5	1065	3	US-09-252-991A-15437	Sequence 15437, A	465	13.2	69.5	2106	3	US-09-252-991A-11428	Sequence 11428, A
393	13.2	69.5	1068	3	US-09-949-016-3762	Sequence 3762, Ap	466	13.2	69.5	2124	9	5428012-1	Patent No. 5428012
394	13.2	69.5	1074	3	US-09-252-991A-8465	Sequence 8465, Ap	467	13.2	69.5	2144	9	5451506-1	Patent No. 5451506
395	13.2	69.5	1104	3	US-09-252-991A-1882	Sequence 1882, Ap	468	13.2	69.5	2138	3	US-08-837-199A-3	Sequence 3, Appl
396	13.2	69.5	1115	3	US-09-949-016-539	Sequence 539, App	469	13.2	69.5	2160	3	US-09-286-904-23	Sequence 23, Appl
397	13.2	69.5	1134	3	US-09-949-016-3997	Sequence 3997, Ap	470	13.2	69.5	2180	3	US-09-640-101-23	Sequence 23, Appl
398	13.2	69.5	1133	3	US-09-902-540-9062	Sequence 9062, Ap	471	13.2	69.5	2280	3	US-09-016-434-1140	Sequence 1140, Ap
399	13.2	69.5	1155	3	US-10-029-180-41	Sequence 41, Appl	472	13.2	69.5	2225	2	US-08-780-370A-1	Sequence 1, Appl
400	13.2	69.5	1164	3	US-08-993-088A-6	Sequence 6, Appl	473	13.2	69.5	2238	3	US-09-251-330-1	Sequence 1, Appl
401	13.2	69.5	1164	3	US-08-993-424B-6	Sequence 6, Appl	474	13.2	69.5	2375	3	US-08-802-8050-20	Sequence 20, Appl
402	13.2	69.5	1164	3	US-09-603-680-6	Sequence 6, Appl	475	13.2	69.5	2378	3	US-08-860-370-1	Sequence 1, Appl
403	13.2	69.5	1164	3	US-09-826-509-504	Sequence 504, App	476	13.2	69.5	2438	3	US-09-041-236-1	Sequence 1, Appl
404	13.2	69.5	1167	3	US-09-252-991A-10265	Sequence 10265, A	477	13.2	69.5	2438	3	US-09-771-467C-1	Sequence 1, Appl
405	13.2	69.5	1173	3	US-09-252-991A-10478	Sequence 10478, A	478	13.2	69.5	2567	2	US-08-918-206-2	Sequence 2, Appl
406	13.2	69.5	1193	3	US-09-489-039A-7006	Sequence 7006, Ap	479	13.2	69.5	2672	3	US-09-620-3120-654	Sequence 2, Appl
407	13.2	69.5	1206	3	US-09-902-540-8244	Sequence 8244, Ap	480	13.2	69.5	2751	3	US-09-770-767-14784	Sequence 654, App
408	13.2	69.5	1209	3	US-10-272-490-9	Sequence 8244, Ap	481	13.2	69.5	2784	3	US-09-252-991A-1147	Sequence 14784, A
409	13.2	69.5	1219	3	US-08-961-700A-3	Sequence 9, Appl	482	13.2	69.5	2789	3	US-09-352-991A-1111	Sequence 1147, Ap
410	13.2	69.5	1239	3	US-09-252-991A-11463	Sequence 11463, A	483	13.2	69.5	2853	3	US-09-949-016-4282	Sequence 15111, A
411	13.2	69.5	1239	3	US-10-029-180-83	Sequence 83, Appl	484	13.2	69.5	2857	2	US-08-927-394-1	Sequence 4282, Ap
412	13.2	69.5	1278	3	US-09-252-991A-615	Sequence 615, App	485	13.2	69.5	2897	3	US-09-016-434-1163	Sequence 1163, Ap
413	13.2	69.5	1299	3	US-09-248-796A-2763	Sequence 2763, Ap	486	13.2	69.5	2897	3	US-09-949-016-733	Sequence 733, App
414	13.2	69.5	1305	3	US-09-949-016-5468	Sequence 5468, Ap	487	13.2	69.5	2976	3	US-09-352-159-26	Sequence 26, Appl
415	13.2	69.5	1310	3	US-09-047-288-1	Sequence 1, Appl	488	13.2	69.5	2976	3	US-09-352-168-26	Sequence 26, Appl
416	13.2	69.5	1310	3	US-08-802-191-1	Sequence 1, Appl	489	13.2	69.5	2976	3	US-09-771-045B-26	Sequence 26, Appl
417	13.2	69.5	1329	3	US-09-902-540-7997	Sequence 7997, Ap	490	13.2	69.5	2976	3	US-09-770-564A-26	Sequence 26, Appl
418	13.2	69.5	1365	3	US-08-899-112B-27	Sequence 27, Appl	491	13.2	69.5	2976	3	US-09-658-835C-26	Sequence 26, Appl
419	13.2	69.5	1365	3	US-09-011-553-4	Sequence 4, Appl	492	13.2	69.5	3009	3	US-09-252-991A-11409	Sequence 11409, A
420	13.2	69.5	1392	3	US-09-252-991A-7410	Sequence 7430, Ap	493	13.2	69.5	3119	3	US-10-104-047-853	Sequence 853, App
421	13.2	69.5	1404	3	US-09-252-991A-636	Sequence 636, App	494	13.2	69.5	3122	3	US-09-252-991A-9569	Sequence 9569, App
422	13.2	69.5	1407	3	US-09-388-316C-20	Sequence 20, Appl	495	13.2	69.5	3126	3	US-09-211-417-2	Sequence 2, Appl
423	13.2	69.5	1452	3	US-09-252-991A-10589	Sequence 10589, A	496	13.2	69.5	3312	3	US-09-902-540-493	Sequence 493, App
424	13.2	69.5	1461	3	US-09-252-991A-15548	Sequence 15548, A	497	13.2	69.5	3330	3	US-08-993-088A-5	Sequence 5, Appl
425	13.2	69.5	1473	3	US-09-252-991A-9679	Sequence 9679, Ap	498	13.2	69.5	3360	3	US-08-993-424A-5	Sequence 5, Appl
426	13.2	69.5	1473	3	US-09-902-540-5760	Sequence 5760, Ap	499	13.2	69.5	3360	3	US-09-603-680-5	Sequence 5, Appl
427	13.2	69.5	1482	3	US-08-660-645A-6	Sequence 6, Appl	500	13.2	69.5	3436	3	US-09-421-017B-335	Sequence 335, App
428	13.2	69.5	1482	3	US-09-298-718-6	Sequence 6, Appl	501	13.2	69.5	3463	3	US-09-189-462-3	Sequence 3, Appl
429	13.2	69.5	1482	3	US-09-546-969-6	Sequence 6, Appl	502	13.2	69.5	3463	3	US-09-863-040-3	Sequence 3, Appl
430	13.2	69.5	1482	3	US-09-547-267-6	Sequence 6, Appl	503	13.2	69.5	3472	9	5244792-1	Patent No. 5244792
431	13.2	69.5	1500	3	US-09-881-165-1	Sequence 1, Appl	504	13.2	69.5	3501	3	US-09-352-991A-1324	Sequence 1324, Ap
432	13.2	69.5	1500	3	US-09-786-960-1	Sequence 1, Appl	505	13.2	69.5	3501	3	US-09-352-159-30	Sequence 30, Appl
433	13.2	69.5	1502	2	US-08-651-940-1	Sequence 1, Appl	506	13.2	69.5	3501	3	US-09-352-168-30	Sequence 30, Appl
434	13.2	69.5	1502	3	US-09-295-029-1	Sequence 1, Appl	507	13.2	69.5	3591	3	US-09-771-045B-30	Sequence 30, Appl
435	13.2	69.5	1502	3	US-09-724-768-1	Sequence 1, Appl	508	13.2	69.5	3591	3	US-09-770-564A-30	Sequence 30, Appl
436	13.2	69.5	1574	3	US-09-602-877A-78	Sequence 78, Appl	509	13.2	69.5	3591	3	US-09-658-835C-30	Sequence 30, Appl
437	13.2	69.5	1590	3	US-09-351-150A-2	Sequence 2, Appl	510	13.2	69.5	3616	3	US-09-187-906-1	Sequence 1, Appl
438	13.2	69.5	1610	3	US-09-976-884-162	Sequence 162, App	511	13.2	69.5	3616	3	US-09-489-407-1	Sequence 1, Appl
439	13.2	69.5	1620	3	US-09-252-991A-16490	Sequence 16490, A	512	13.2	69.5	3992	3	US-09-944-807-9	Sequence 9, Appl
440	13.2	69.5	1662	3	US-09-252-991A-1413	Sequence 1413, Ap	513	13.2	69.5	4074	3	US-09-252-991A-4737	Sequence 4737, Ap
441	13.2	69.5	1686	3	US-09-902-540-4057	Sequence 4057, Ap	514	13.2	69.5	4082	3	US-09-252-991A-4771	Sequence 4771, Ap
442	13.2	69.5	1702	3	US-10-104-047-919	Sequence 919, App	515	13.2	69.5	4238	3	US-09-949-016-5338	Sequence 5338, Ap
443	13.2	69.5	1713	3	US-09-902-540-7494	Sequence 7494, Ap	516	13.2	69.5	4655	2	US-08-231-193A-57	Sequence 57, Appl
444	13.2	69.5	1747	3	US-09-566-921-66	Sequence 66, Appl	517	13.2	69.5	4655	2	US-08-486-273A-57	Sequence 57, Appl
445	13.2	69.5	1752	3	US-09-252-991A-11485	Sequence 11485, A	518	13.2	69.5	4655	3	US-08-940-086A-57	Sequence 57, Appl
446	13.2	69.5	1800	2	US-08-484-815-11	Sequence 11, Appl	519	13.2	69.5	4655	3	US-08-940-035A-57	Sequence 57, Appl
447	13.2	69.5	1800	3	US-08-888-949-11	Sequence 11, Appl	520	13.2	69.5	4655	3	US-08-935-105A-57	Sequence 57, Appl
448	13.2	69.5	1800	3	US-08-888-950-11	Sequence 11, Appl	521	13.2	69.5	4655	3	US-09-648-797-57	Sequence 57, Appl
449	13.2	69.5	1800	3	US-09-263-758-11	Sequence 11, Appl	522	13.2	69.5	4655	3	US-09-386-123-57	Sequence 57, Appl
450	13.2	69.5	1800	3	US-09-885-876-11	Sequence 11, Appl	523	13.2	69.5	4655	3	US-10-038-337-57	Sequence 57, Appl
451	13.2	69.5	1800	3	US-09-885-901-11	Sequence 11, Appl	524	13.2	69.5	4655	3	US-10-007-747-57	Sequence 57, Appl
452	13.2	69.5	1800	3	US-09-731-393-11	Sequence 11, Appl	525	13.2	69.5	4695	3	US-09-945-901-57	Sequence 57, Appl
453	13.2	69.5	1800	3	US-09-882-694B-11	Sequence 11, Appl	526	13.2	69.5	5051	3	US-09-952-540-628	Sequence 628, App
454	13.2	69.5	1800	6	PCT-US95-10284-1	Sequence 14, Appl	527	13.2	69.5	5971	3	US-09-373-272-26	Sequence 26, Appl
455	13.2	69.5	1811	3	US-09-902-540-375	Sequence 375, App	528	13.2	69.5	6360	3	US-09-171-699-9	Sequence 9, Appl
456	13.2	69.5	1818	3	US-09-902-540-7054	Sequence 7054, Ap	529	13.2	69.5	6698	3	US-09-902-540-852	Sequence 852, App
457	13.2	69.5	1827	3	US-09-252-991A-14646	Sequence 14646, A	530	13.2	69.5	7266	3	US-09-902-540-2386	Sequence 2386, App
458	13.2	69.5	1907	3	US-09-443-184-40	Sequence 440, Appl	531	13.2	69.5	7419	3	US-09-949-016-17545	Sequence 17545, A
459	13.2	69.5	1932	3	US-09-252-991A-7271	Sequence 7271, Ap	532	13.2	69.5	7447	3	US-09-252-991A-481	Sequence 481, App
460	13.2	69.5	2001	3	US-09-689-012-1	Sequence 1, Appl	533	13.2	69.5	7447	3	US-09-949-016-16540	Sequence 16540, A
461	13.2	69.5	2010	3	US-09-240-410-1	Sequence 1, Appl	534	13.2	69.5	7447	3	US-09-252-991A-396	Sequence 396, App
462	13.2	69.5	2019	3	US-09-252-991A-370	Sequence 370, App	535	13.2	69.5	7698	3	US-09-902-540-812	Sequence 812, App

536	13.2	69.5	7853	3	US-09-949-016-12034	Sequence 12034, A	609	13	68.4	13524	3	US-09-902-540-1053	Sequence 1053, Ap
537	13.2	69.5	7853	3	US-09-949-016-14225	Sequence 14225, A	c 610	13	68.4	18192	3	US-09-902-540-1162	Sequence 1162, Ap
538	13.2	69.5	7860	3	US-09-949-016-15600	Sequence 15600, A	c 611	13	68.4	41171	3	US-08-311-731A-122	Sequence 122, App
539	13.2	69.5	8011	3	US-09-949-016-17210	Sequence 17210, A	612	13	68.4	80161	3	US-09-036-987A-1	Sequence 1, Appl1
540	13.2	69.5	8625	3	US-08-980-832-1	Sequence 1, Appl1	613	13	68.4	80161	3	US-09-370-700-1	Sequence 1, Appl1
541	13.2	69.5	8625	3	US-09-920-923B-1	Sequence 1, Appl1	614	13	68.4	80161	3	US-09-603-207-1	Sequence 1, Appl1
542	13.2	69.5	8831	3	US-09-949-016-15504	Sequence 15504, A	615	12.8	67.4	71	2	US-08-472-255A-108	Sequence 108, App
543	13.2	69.5	9311	3	US-09-949-016-14994	Sequence 14994, A	616	12.8	67.4	71	2	US-08-472-256B-108	Sequence 108, App
544	13.2	69.5	9386	3	US-09-949-016-15739	Sequence 15739, A	617	12.8	67.4	71	3	US-08-952-793-108	Sequence 108, App
545	13.2	69.5	9757	2	US-08-093-453B-1	Sequence 1, Appl1	618	12.8	67.4	71	3	US-09-849-928-108	Sequence 108, App
546	13.2	69.5	9759	2	US-08-459-041A-1	Sequence 1, Appl1	619	12.8	67.4	71	3	PCT-US96-09455A-108	Sequence 108, App
547	13.2	69.5	9759	3	US-08-999-733-1	Sequence 1, Appl1	620	12.8	67.4	159	3	US-09-902-540-7353	Sequence 7353, Ap
548	13.2	69.5	9759	3	US-10-271-311-1	Sequence 46, Appl	621	12.8	67.4	180	3	US-09-621-976-15117	Sequence 15517, A
549	13.2	69.5	9960	3	US-08-822-586-46	Sequence 27, Appl	622	12.8	67.4	252	3	US-09-902-540-4575	Sequence 4575, Ap
550	13.2	69.5	11233	3	US-08-980-832-27	Sequence 27, Appl	623	12.8	67.4	288	3	US-09-902-540-5286	Sequence 5286, Ap
551	13.2	69.5	11233	3	US-09-920-923B-27	Sequence 14075, A	624	12.8	67.4	297	3	US-09-902-540-5286	Sequence 5266, Ap
552	13.2	69.5	12951	3	US-09-949-016-14075	Sequence 968, App	625	12.8	67.4	300	3	US-09-670-314-79	Sequence 79, Appl
553	13.2	69.5	13299	3	US-09-902-540-968	Sequence 1058, Ap	626	12.8	67.4	300	3	US-09-600-754-79	Sequence 79, Appl
554	13.2	69.5	14467	3	US-09-902-540-1058	Sequence 1185, Ap	627	12.8	67.4	306	3	US-09-216-393B-87	Sequence 87, Appl
555	13.2	69.5	17247	3	US-09-902-540-1185	Sequence 1185, Ap	628	12.8	67.4	306	3	US-09-270-767-28192	Sequence 28192, A
556	13.2	69.5	17315	3	US-09-902-540-1103	Sequence 17403, A	629	12.8	67.4	316	3	US-08-825-558-8	Sequence 8, Appl1
557	13.2	69.5	17348	3	US-09-949-016-17403	Sequence 1114, Ap	630	12.8	67.4	323	3	US-10-052-005A-8	Sequence 8, Appl1
558	13.2	69.5	17503	3	US-09-902-540-1114	Sequence 13163, A	631	12.8	67.4	339	3	US-09-490-608B-172	Sequence 172, App
559	13.2	69.5	18302	3	US-09-949-016-13163	Sequence 13666, A	632	12.8	67.4	341	3	US-09-513-999C-28029	Sequence 28029, A
560	13.2	69.5	19237	3	US-09-949-016-13666	Sequence 1201, Ap	633	12.8	67.4	425	3	US-09-513-999C-2170	Sequence 2170, Ap
561	13.2	69.5	21511	3	US-09-902-540-1201	Sequence 1203, Ap	634	12.8	67.4	450	3	US-09-270-767-10953	Sequence 10953, A
562	13.2	69.5	23738	3	US-09-902-540-1203	Sequence 1, Appl1	635	12.8	67.4	486	3	US-09-902-540-4633	Sequence 4633, Ap
563	13.2	69.5	24494	3	US-09-351-150A-1	Sequence 1253, Ap	636	12.8	67.4	487	2	US-08-975-316-44	Sequence 44, Appl
564	13.2	69.5	25621	3	US-09-902-540-1253	Sequence 1234, Ap	637	12.8	67.4	487	3	US-09-615-192A-44	Sequence 44, Appl
565	13.2	69.5	26492	3	US-09-902-540-1234	Sequence 1252, Ap	638	12.8	67.4	487	3	US-09-169-789-44	Sequence 44, Appl
566	13.2	69.5	28058	3	US-09-902-540-1252	Sequence 17189, A	639	12.8	67.4	513	3	US-09-533-559-1506	Sequence 1506, Ap
567	13.2	69.5	31797	3	US-09-949-016-17188	Sequence 12475, A	640	12.8	67.4	516	3	US-09-902-540-7175	Sequence 7175, Ap
568	13.2	69.5	34741	3	US-09-949-016-12475	Sequence 16024, A	641	12.8	67.4	522	3	US-09-252-991A-3768	Sequence 3768, Ap
569	13.2	69.5	34745	3	US-09-949-016-16024	Sequence 120, App	642	12.8	67.4	540	3	US-09-252-991A-2677	Sequence 2677, Ap
570	13.2	69.5	36181	3	US-08-311-731A-120	Sequence 13692, A	643	12.8	67.4	546	3	US-09-252-991A-5903	Sequence 5903, Ap
571	13.2	69.5	36895	3	US-09-949-016-13692	Sequence 17102, A	644	12.8	67.4	547	3	US-09-621-976-3417	Sequence 3417, Ap
572	13.2	69.5	44439	3	US-09-949-016-17102	Sequence 17080, A	645	12.8	67.4	558	3	US-09-252-991A-3604	Sequence 3604, Ap
573	13.2	69.5	49401	3	US-09-949-016-17080	Sequence 16118, A	646	12.8	67.4	558	3	US-09-252-991A-5885	Sequence 5885, Ap
574	13.2	69.5	52496	3	US-09-949-016-16118	Sequence 16119, A	647	12.8	67.4	597	3	US-09-502-540-3788	Sequence 3788, Ap
575	13.2	69.5	52496	3	US-09-949-016-16119	Sequence 16119, A	648	12.8	67.4	601	3	US-09-949-016-29659	Sequence 29659, A
576	13.2	69.5	53799	3	US-10-042-665A-3	Sequence 3, Appl1	649	12.8	67.4	601	3	US-09-949-016-29659	Sequence 29659, A
577	13.2	69.5	54494	3	US-09-902-540-1272	Sequence 1272, Ap	650	12.8	67.4	601	3	US-09-949-016-37501	Sequence 37501, A
578	13.2	69.5	56737	3	US-09-782-378A-17	Sequence 13297, A	651	12.8	67.4	601	3	US-09-949-016-37501	Sequence 37501, A
579	13.2	69.5	66065	3	US-09-949-016-13292	Sequence 12608, A	652	12.8	67.4	601	3	US-09-949-016-37784	Sequence 37784, A
580	13.2	69.5	77626	3	US-09-949-016-12608	Sequence 12608, A	653	12.8	67.4	601	3	US-09-949-016-39457	Sequence 39457, A
581	13.2	69.5	97423	3	US-09-949-016-12742	Sequence 1576, A	654	12.8	67.4	601	3	US-09-949-016-39458	Sequence 39458, A
582	13.2	69.5	97424	3	US-09-949-016-15576	Sequence 13501, A	655	12.8	67.4	601	3	US-09-949-016-39458	Sequence 39458, A
583	13.2	69.5	128516	3	US-09-949-016-13501	Sequence 12541, A	656	12.8	67.4	601	3	US-09-949-016-44266	Sequence 44266, A
584	13.2	69.5	133157	3	US-09-949-016-12541	Sequence 10, Appl	657	12.8	67.4	601	3	US-09-949-016-88358	Sequence 88358, A
585	13.2	69.5	197496	3	US-09-877-177A-10	Sequence 64, Appl	658	12.8	67.4	601	3	US-09-949-016-14202	Sequence 14202, A
586	13.2	69.5	229354	3	US-09-705-400-64	Sequence 16603, A	659	12.8	67.4	601	3	US-09-949-016-14203	Sequence 14203, A
587	13.2	69.5	232547	3	US-09-949-016-16603	Sequence 1, Appl1	660	12.8	67.4	601	3	US-09-949-016-168470	Sequence 168470, A
588	13.2	69.5	536165	3	US-09-214-808-1	Sequence 12147, A	661	12.8	67.4	601	3	US-09-949-016-168470	Sequence 168470, A
589	13.2	69.5	767677	3	US-09-949-016-12147	Sequence 17361, A	662	12.8	67.4	601	3	US-09-949-016-168471	Sequence 168471, A
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C 841	12.8	67.4	71989	3	US-09-724-889A-2	Sequence 2, Appl1	C 914	12.6	66.3	345	3	US-09-513-999C-1968	Sequence 1968, Ap
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C 851	12.8	67.4	150597	3	US-09-949-016-15379	Sequence 15379, A	C 924	12.6	66.3	396	3	US-09-252-991A-6090	Sequence 6090, App
C 852	12.8	67.4	150597	3	US-09-949-016-12683	Sequence 12683, A	C 925	12.6	66.3	399	3	US-09-252-991A-750	Sequence 750, App
C 853	12.8	67.4	152524	3	US-09-949-016-13194	Sequence 13194, A	C 926	12.6	66.3	405	3	US-09-513-999C-2137	Sequence 2137, App
C 854	12.8	67.4	152524	3	US-09-949-016-12683	Sequence 12683, A	C 927	12.6	66.3	408	3	US-09-902-540-4477	Sequence 4477, Ap
C 855	12.8	67.4	160532	3	US-09-593-828-11	Sequence 11, Appl1	C 928	12.6	66.3	411	3	US-09-252-991A-325	Sequence 325, App
C 856	12.8	67.4	186836	3	US-09-949-002-661	Sequence 661, App	C 929	12.6	66.3	411	3	US-09-902-540-5178	Sequence 5178, Ap
C 857	12.8	67.4	524032	3	US-09-949-016-16928	Sequence 16928, A	C 930	12.6	66.3	423	3	US-09-489-033A-5670	Sequence 5670, Ap
C 858	12.8	67.4	524032	3	US-09-949-016-16929	Sequence 16929, A	C 931	12.6	66.3	428	3	US-09-861-893-57	Sequence 57, Appl1
C 859	12.8	67.4	524032	3	US-09-949-016-16930	Sequence 16930, A	C 932	12.6	66.3	430	3	US-09-513-999C-11525	Sequence 11525, A
C 860	12.8	67.4	524032	3	US-09-949-016-16931	Sequence 16931, A	C 933	12.6	66.3	441	3	US-09-513-999C-11218	Sequence 11218, A
C 861	12.8	67.4	529885	3	US-09-949-016-14340	Sequence 14340, A	C 934	12.6	66.3	441	3	US-09-640-211A-1510	Sequence 1510, Ap
C 862	12.8	67.4	529885	3	US-09-949-016-14341	Sequence 14341, A	C 935	12.6	66.3	459	2	US-08-387-942C-31	Sequence 31, Appl1
C 863	12.8	67.4	529885	3	US-09-949-016-14342	Sequence 14342, A	C 936	12.6	66.3	462	3	US-09-252-991A-9628	Sequence 9628, Ap
C 864	12.8	67.4	529885	3	US-09-949-016-14343	Sequence 14343, A	C 937	12.6	66.3	465	3	US-09-252-991A-13215	Sequence 13215, A
C 865	12.8	67.4	529885	3	US-09-949-016-14344	Sequence 14344, A	C 938	12.6	66.3	468	3	US-09-252-991A-9670	Sequence 9670, Ap
C 866	12.8	67.4	529885	3	US-09-949-016-14345	Sequence 14345, A	C 939	12.6	66.3	472	3	US-09-621-976-1630	Sequence 1630, Ap
C 867	12.8	67.4	529885	3	US-09-949-016-14346	Sequence 14346, A	C 940	12.6	66.3	473	3	US-09-513-999C-1869	Sequence 1869, Ap
C 868	12.8	67.4	529885	3	US-09-949-016-14347	Sequence 14347, A	C 941	12.6	66.3	474	3	US-09-902-540-5272	Sequence 5272, Ap
C 869	12.8	67.4	670689	3	US-09-949-016-12505	Sequence 12505, A	C 942	12.6	66.3	474	3	US-09-902-540-7581	Sequence 7581, Ap
C 870	12.8	67.4	670690	3	US-09-949-016-14207	Sequence 14207, A	C 943	12.6	66.3	480	3	US-09-410-515B-68	Sequence 68, Appl1
C 871	12.8	67.4	1830121	3	US-09-557-884-1	Sequence 1, Appl1	C 944	12.6	66.3	480	3	US-09-940-316B-68	Sequence 68, Appl1
C 872	12.8	67.4	1830121	3	US-09-643-990A-1	Sequence 1, Appl1	C 945	12.6	66.3	480	3	US-09-914-098-17	Sequence 17, Appl1
C 873	12.8	67.4	1830121	3	US-10-158-865-1	Sequence 1, Appl1	C 946	12.6	66.3	482	3	US-09-857-896A-33	Sequence 33, Appl1
C 874	12.6	66.3	25	3	US-09-396-196C-98994	Sequence 98994, A	C 947	12.6	66.3	483	3	US-09-828-995B-48	Sequence 48, Appl1
C 875	12.6	66.3	34	3	US-09-646-925-16	Sequence 16, Appl1	C 948	12.6	66.3	483	3	US-09-854-133-621	Sequence 621, App
C 876	12.6	66.3	36	3	US-10-223-978-11	Sequence 11, Appl1	C 949	12.6	66.3	489	3	US-09-222-575-117	Sequence 117, App
C 877	12.6	66.3	51	3	US-09-443-199C-453	Sequence 453, App	C 950	12.6	66.3	489	3	US-09-389-681-117	Sequence 117, App
C 878	12.6	66.3	63	3	US-09-877-243A-122	Sequence 122, App	C 951	12.6	66.3	489	3	US-09-620-405B-117	Sequence 117, App
C 879	12.6	66.3	63	3	US-09-877-705A-122	Sequence 122, App	C 952	12.6	66.3	489	3	US-09-339-338-117	Sequence 117, App
C 880	12.6	66.3	63	3	US-09-877-738C-122	Sequence 122, App	C 953	12.6	66.3	489	3	US-09-433-826B-117	Sequence 117, App
C 881	12.6	66.3	68	3	US-09-193-612B-10	Sequence 10, Appl1	C 954	12.6	66.3	489	3	US-09-604-287A-117	Sequence 117, App
C 882	12.6	66.3	68	3	US-09-579-784C-10	Sequence 10, Appl1	C 955	12.6	66.3	489	3	US-09-285-480-117	Sequence 117, App
C 883	12.6	66.3	72	3	US-09-193-612B-12	Sequence 12, Appl1	C 956	12.6	66.3	489	3	US-09-834-759-117	Sequence 117, App
C 884	12.6	66.3	72	3	US-09-579-784C-12	Sequence 12, Appl1	C 957	12.6	66.3	489	3	US-09-590-751A-117	Sequence 117, App
C 885	12.6	66.3	114	3	US-09-513-999C-34389	Sequence 34389, A	C 958	12.6	66.3	489	3	US-09-551-621-117	Sequence 117, App
C 886	12.6	66.3	121	3	US-09-818-875-3396	Sequence 3396, App	C 959	12.6	66.3	489	3	US-09-640-211A-1416	Sequence 1416, Ap
C 887	12.6	66.3	121	3	US-09-818-875-3397	Sequence 3397, App	C 960	12.6	66.3	489	3	US-09-551-621A-117	Sequence 117, App
C 888	12.6	66.3	121	3	US-09-818-875-3400	Sequence 3400, App	C 961	12.6	66.3	489	3	US-10-076-622-117	Sequence 117, App
C 889	12.6	66.3	121	3	US-09-818-875-3401	Sequence 3401, App	C 962	12.6	66.3	496	3	US-09-370-838-49	Sequence 49, Appl1
C 890	12.6	66.3	121	3	US-09-818-875-3404	Sequence 3404, App	C 963	12.6	66.3	496	3	US-09-854-133-49	Sequence 49, Appl1
C 891	12.6	66.3	121	3	US-09-818-875-3405	Sequence 3405, App	C 964	12.6	66.3	498	3	US-09-821-976-2465	Sequence 2465, App
C 892	12.6	66.3	138	3	US-09-513-999C-8538	Sequence 8538, App	C 965	12.6	66.3	504	3	US-09-902-540-7514	Sequence 7514, App
C 893	12.6	66.3	143	3	US-09-536-977-3	Sequence 3, Appl1	C 966	12.6	66.3	506	3	US-09-252-991A-4144	Sequence 4144, App
C 894	12.6	66.3	161	2	US-08-337-268A-47	Sequence 47, Appl1	C 967	12.6	66.3	528	3	US-09-536-977-41	Sequence 41, Appl1
C 895	12.6	66.3	161	2	US-08-484-570A-47	Sequence 47, Appl1	C 968	12.6	66.3	528	3	US-09-252-991A-13361	Sequence 13361, A
C 896	12.6	66.3	165	3	US-09-270-767-26643	Sequence 26643, A	C 969	12.6	66.3	529	3	US-09-159-106-14	Sequence 14, Appl1
C 897	12.6	66.3	173	3	US-09-513-999C-14005	Sequence 14005, A	C 970	12.6	66.3	539	3	US-09-640-211A-1337	Sequence 1237, Ap
C 898	12.6	66.3	173	3	US-09-513-999C-21492	Sequence 21492, A	C 971	12.6	66.3	540	3	US-09-252-991A-14915	Sequence 14915, A
C 899	12.6	66.3	174	3	US-09-902-540-7170	Sequence 7170, App	C 972	12.6	66.3	543	4	US-09-605-703B-515	Sequence 515, App
C 900	12.6	66.3	193	3	US-09-270-767-8834	Sequence 8834, App	C 973	12.6	66.3	543	4	US-09-605-703B-517	Sequence 517, App

c 974 12.6 66.3 546 3 US-09-252-991A-11071 Sequence 11071, A
c 975 12.6 66.3 552 3 US-09-252-991A-926 Sequence 926, App
c 976 12.6 66.3 555 3 US-09-252-991A-6172 Sequence 6172, Ap
c 977 12.6 66.3 568 3 US-09-270-767-1363 Sequence 1363, Ap
c 978 12.6 66.3 568 3 US-09-270-767-13645 Sequence 16645, A
c 979 12.6 66.3 570 3 US-09-902-540-8012 Sequence 8012, Ap
c 980 12.6 66.3 573 3 US-09-902-540-3619 Sequence 3619, Ap
c 981 12.6 66.3 583 3 US-09-799-451-876 Sequence 876, App
c 982 12.6 66.3 588 3 US-09-252-991A-12743 Sequence 12743, A
c 983 12.6 66.3 601 3 US-09-949-016-18490 Sequence 18490, A
c 984 12.6 66.3 601 3 US-09-949-016-24883 Sequence 24883, A
c 985 12.6 66.3 601 3 US-09-949-016-26561 Sequence 26561, A
c 986 12.6 66.3 601 3 US-09-949-016-28372 Sequence 28372, A
c 987 12.6 66.3 601 3 US-09-949-016-47224 Sequence 47224, A
c 988 12.6 66.3 601 3 US-09-949-016-48092 Sequence 48092, A
c 989 12.6 66.3 601 3 US-09-949-016-48093 Sequence 48093, A
c 990 12.6 66.3 601 3 US-09-949-016-53715 Sequence 53715, A
c 991 12.6 66.3 601 3 US-09-949-016-53716 Sequence 53716, A
c 992 12.6 66.3 601 3 US-09-949-016-53717 Sequence 53717, A
c 993 12.6 66.3 601 3 US-09-949-016-53718 Sequence 53718, A
c 994 12.6 66.3 601 3 US-09-949-016-53719 Sequence 53719, A
c 995 12.6 66.3 601 3 US-09-949-016-53720 Sequence 53720, A
c 996 12.6 66.3 601 3 US-09-949-016-62885 Sequence 62885, A
c 997 12.6 66.3 601 3 US-09-949-016-132862 Sequence 132862, A
c 998 12.6 66.3 601 3 US-09-949-016-153496 Sequence 153496, A
c 999 12.6 66.3 601 3 US-09-949-016-166503 Sequence 166503, A
c 1000 12.6 66.3 601 3 US-09-949-016-168625 Sequence 168625, A

ALIGNMENTS

RESULT 1
US-09-712-363-27
Sequence 27, Application US/09712363
Patent No. 6892139
GENERAL INFORMATION:
APPLICANT: Eisenberg, David
APPLICANT: Rotstein, Sergio H.
APPLICANT: Marcotte, Edward M.
TITLE OF INVENTION: DETERMINING THE FUNCTIONS AND
FILE REFERENCE: 07419-032001
TITLE OF INVENTION: INTERACTIONS OF PROTEINS BY COMPARATIVE ANALYSIS
CURRENT APPLICATION NUMBER: US/09/712.363
CURRENT FILING DATE: 2000-11-13
PRIOR APPLICATION NUMBER: PCT/US00/02246
PRIOR FILING DATE: 2000-01-28
PRIOR APPLICATION NUMBER: 60/179,531
PRIOR FILING DATE: 2000-02-01
PRIOR APPLICATION NUMBER: 60/117,844
PRIOR FILING DATE: 1999-01-29
PRIOR APPLICATION NUMBER: 60/118,206,
PRIOR FILING DATE: 1999-02-01
PRIOR APPLICATION NUMBER: 60/126,593
PRIOR FILING DATE: 1999-03-26
PRIOR APPLICATION NUMBER: 60/134,093
PRIOR FILING DATE: 1999-05-14
PRIOR APPLICATION NUMBER: 60/134,092
PRIOR FILING DATE: 1999-05-14
PRIOR APPLICATION NUMBER: 60/165,124
PRIOR FILING DATE: 1999-11-12
PRIOR APPLICATION NUMBER: 60/165,086
PRIOR FILING DATE: 1999-11-12
NUMBER OF SEQ ID NOS: 292
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 27
LENGTH: 1233
TYPE: DNA
ORGANISM: Mycobacterium tuberculosis
US-09-712-363-27

Query Match 100.0%; Score 19; DB 3; Length 1233;
Best Local Similarity 100.0%; Pred. No. 4.4;

Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 GCCGAGAGCCCGAAGTGC 19
Db 1174 GCCGAGAGCCCGAAGTGC 1192

RESULT 2
US-09-103-840A-2
Sequence 2, Application US/09103840A
Patent No. 6294328
GENERAL INFORMATION:
APPLICANT: FLEISCHMAN, Robert D.
APPLICANT: WHITE, Owen R.
APPLICANT: FRASER, Claire M.
APPLICANT: VENTER, John C.
TITLE OF INVENTION: DNA SEQUENCES FOR STRAIN ANALYSIS IN MYCOBACTERIUM
FILE REFERENCE: 24366-20007.00
CURRENT APPLICATION NUMBER: US/09/103,840A
CURRENT FILING DATE: 1998-06-24
NUMBER OF SEQ ID NOS: 2
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 2
LENGTH: 4403765
TYPE: DNA
ORGANISM: Mycobacterium tuberculosis
FEATURE:
OTHER INFORMATION: CDC 1551
OTHER INFORMATION: "n" bases at various positions throughout the sequence
US-09-103-840A-2

Query Match 100.0%; Score 19; DB 3; Length 4403765;
Best Local Similarity 100.0%; Pred. No. 5.9;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GCCGAGAGCCCGAAGTGC 19
Db 581904 GCCGAGAGCCCGAAGTGC 581922

RESULT 3
US-09-103-840A-1
Sequence 1, Application US/09103840A
Patent No. 6294328
GENERAL INFORMATION:
APPLICANT: FLEISCHMAN, Robert D.
APPLICANT: WHITE, Owen R.
APPLICANT: FRASER, Claire M.
APPLICANT: VENTER, John C.
TITLE OF INVENTION: DNA SEQUENCES FOR STRAIN ANALYSIS IN MYCOBACTERIUM
FILE REFERENCE: 24366-20007.00
CURRENT APPLICATION NUMBER: US/09/103,840A
CURRENT FILING DATE: 1998-06-24
NUMBER OF SEQ ID NOS: 2
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 1
LENGTH: 4411529
TYPE: DNA
ORGANISM: Mycobacterium tuberculosis
OTHER INFORMATION: H37Rv
US-09-103-840A-1

Query Match 100.0%; Score 19; DB 3; Length 4411529;
Best Local Similarity 100.0%; Pred. No. 5.9;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 GCCGAGAGCCCGAAGTGC 19
Db 580520 GCCGAGAGCCCGAAGTGC 580538

RESULT 4

US-09-934-289A-11
; Sequence 11, Application US/09934289A
; Patent No. 6852837
; GENERAL INFORMATION:
; APPLICANT: Busfield, Samantha J.
; TITLE OF INVENTION: NOVEL MOLECULES OF THE
; TITLE OF INVENTION: HERPESVIRUS-ENTRY-MEDIATOR-RELATED
; TITLE OF INVENTION: PROTEIN FAMILY AND USES THEREOF
; FILE REFERENCE: MB1098-061CP1CN1(M)
; CURRENT APPLICATION NUMBER: US/09/934,289A
; PRIOR FILING DATE: 2001-08-21
; PRIOR APPLICATION NUMBER: US 09/342,767
; PRIOR FILING DATE: 1999-06-29
; PRIOR APPLICATION NUMBER: US 09/146,950
; NUMBER OF SEQ ID NOS: 58
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 11
; LENGTH: 126
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)...(126)
US-09-934-289A-11

Query Match

Best Local Similarity 83.2%; Score 15.8; DB 3; Length 126;
Best Local Similarity 89.5%; Pred. No. 1.5e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GCGCGAGAGCCCGAAGCTGC 19
|||||
Db 84 GCGCGAGAGCCCGAAGCTGC 102

RESULT 5

US-09-934-289A-27
; Sequence 27, Application US/09934289A
; Patent No. 6852837
; GENERAL INFORMATION:
; APPLICANT: Busfield, Samantha J.
; TITLE OF INVENTION: NOVEL MOLECULES OF THE
; TITLE OF INVENTION: HERPESVIRUS-ENTRY-MEDIATOR-RELATED
; TITLE OF INVENTION: PROTEIN FAMILY AND USES THEREOF
; FILE REFERENCE: MB1098-061CP1CN1(M)
; CURRENT APPLICATION NUMBER: US/09/934,289A
; PRIOR FILING DATE: 2001-08-21
; PRIOR APPLICATION NUMBER: US 09/342,767
; PRIOR FILING DATE: 1999-06-29
; PRIOR APPLICATION NUMBER: US 09/146,950
; PRIOR FILING DATE: 1998-09-03
; NUMBER OF SEQ ID NOS: 58
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 27
; LENGTH: 126
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)...(126)
US-09-934-289A-27

Query Match 83.2%; Score 15.8; DB 3; Length 126;
Best Local Similarity 89.5%; Pred. No. 1.5e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GCGCGAGAGCCCGAAGCTGC 19
|||||
Db 84 GCGCGAGAGCCCGAAGCTGC 102

RESULT 6

US-09-934-289A-39
; Sequence 39, Application US/09934289A
; Patent No. 6852837
; GENERAL INFORMATION:
; APPLICANT: Busfield, Samantha J.
; TITLE OF INVENTION: NOVEL MOLECULES OF THE
; TITLE OF INVENTION: HERPESVIRUS-ENTRY-MEDIATOR-RELATED
; TITLE OF INVENTION: PROTEIN FAMILY AND USES THEREOF
; FILE REFERENCE: MB1098-061CP1CN1(M)
; CURRENT APPLICATION NUMBER: US/09/934,289A
; PRIOR FILING DATE: 2001-08-21
; PRIOR APPLICATION NUMBER: US 09/342,767
; PRIOR FILING DATE: 1999-06-29
; PRIOR APPLICATION NUMBER: US 09/146,950
; NUMBER OF SEQ ID NOS: 58
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 39
; LENGTH: 126
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)...(126)
US-09-934-289A-39

Query Match

Best Local Similarity 83.2%; Score 15.8; DB 3; Length 126;
Best Local Similarity 89.5%; Pred. No. 1.5e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GCGCGAGAGCCCGAAGCTGC 19
|||||
Db 84 GCGCGAGAGCCCGAAGCTGC 102

RESULT 7

US-09-934-289A-53
; Sequence 53, Application US/09934289A
; Patent No. 6852837
; GENERAL INFORMATION:
; APPLICANT: Busfield, Samantha J.
; TITLE OF INVENTION: NOVEL MOLECULES OF THE
; TITLE OF INVENTION: HERPESVIRUS-ENTRY-MEDIATOR-RELATED
; TITLE OF INVENTION: PROTEIN FAMILY AND USES THEREOF
; FILE REFERENCE: MB1098-061CP1CN1(M)
; CURRENT APPLICATION NUMBER: US/09/934,289A
; PRIOR FILING DATE: 2001-08-21
; PRIOR APPLICATION NUMBER: US 09/342,767
; PRIOR FILING DATE: 1999-06-29
; PRIOR APPLICATION NUMBER: US 09/146,950
; PRIOR FILING DATE: 1998-09-03
; NUMBER OF SEQ ID NOS: 58
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 53
; LENGTH: 126
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)...(126)
US-09-934-289A-53

Query Match 83.2%; Score 15.8; DB 3; Length 126;
Best Local Similarity 89.5%; Pred. No. 1.5e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GCGCGAGAGCCCGAAGCTGC 19
|||||
Db 84 GCGCGAGAGCCCGAAGCTGC 102

RESULT 8

ORGANISM: Homo sapiens
US-09-146-950-19

Query Match 83.2%; Score 15.8; DB 3; Length 591;
Best Local Similarity 89.5%; Pred. No. 1.6e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GCGCGAGAGCCCGAAGCTGC 19
|||||
DB 315 GCGCGGAGCCCGAAGCTGC 333

RESULT 13
US-09-934-289A-19
Sequence 19, Application US/09934289A

Patent No. 6852837
GENERAL INFORMATION:
APPLICANT: Buefield, Samantha J.
TITLE OF INVENTION: NOVEL MOLECULES OF THE
TITLE OF INVENTION: HERPESVIRUS-ENTRY-MEDIATOR-RELATED
TITLE OF INVENTION: PROTEIN FAMILY AND USES THEREOF
FILE REFERENCE: M81098-061C1CN1(M)
CURRENT FILING DATE: 2001-08-21
PRIOR FILING DATE: 1999-06-29
PRIOR FILING DATE: 1998-09-03
PRIOR FILING DATE: 1998-09-03
NUMBER OF SEQ ID NOS: 58
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 19
LENGTH: 591
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: (1)...(591)
US-09-934-289A-19

Query Match 83.2%; Score 15.8; DB 3; Length 591;
Best Local Similarity 89.5%; Pred. No. 1.6e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GCGCGAGAGCCCGAAGCTGC 19
|||||
DB 315 GCGCGGAGCCCGAAGCTGC 333

RESULT 14
US-09-949-016-71225/c
Sequence 71225, Application US/09949016

Patent No. 6812339
GENERAL INFORMATION:
APPLICANT: VENTER, J. Craig et al.
TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
FILE REFERENCE: C1001307
CURRENT APPLICATION NUMBER: US/09/949,016
CURRENT FILING DATE: 2000-04-14
PRIOR APPLICATION NUMBER: 60/241,755
PRIOR FILING DATE: 2000-10-20
PRIOR APPLICATION NUMBER: 60/237,768
PRIOR FILING DATE: 2000-10-03
PRIOR APPLICATION NUMBER: 60/231,498
PRIOR FILING DATE: 2000-09-08
NUMBER OF SEQ ID NOS: 207012
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 71225
LENGTH: 601
TYPE: DNA
ORGANISM: Human
US-09-949-016-71225

Query Match 83.2%; Score 15.8; DB 3; Length 601;
Best Local Similarity 89.5%; Pred. No. 1.6e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GCGCGAGAGCCCGAAGCTGC 19
|||||
DB 234 GCGCGGAGCCCGAAGCTGC 216

RESULT 15
US-09-934-289A-43
Sequence 43, Application US/09934289A

Patent No. 6852837
GENERAL INFORMATION:
APPLICANT: Buefield, Samantha J.
TITLE OF INVENTION: NOVEL MOLECULES OF THE
TITLE OF INVENTION: HERPESVIRUS-ENTRY-MEDIATOR-RELATED
TITLE OF INVENTION: PROTEIN FAMILY AND USES THEREOF
FILE REFERENCE: M81098-061C1CN1(M)
CURRENT APPLICATION NUMBER: US/09/934,289A
CURRENT FILING DATE: 2001-08-21
PRIOR FILING DATE: 1999-06-29
PRIOR FILING DATE: 1998-09-03
PRIOR FILING DATE: 1998-09-03
NUMBER OF SEQ ID NOS: 58
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 43
LENGTH: 831
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: (1)...(831)
US-09-934-289A-43

Query Match 83.2%; Score 15.8; DB 3; Length 831;
Best Local Similarity 89.5%; Pred. No. 1.6e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GCGCGAGAGCCCGAAGCTGC 19
|||||
DB 315 GCGCGGAGCCCGAAGCTGC 333

RESULT 16
US-09-252-991A-14592/c
Sequence 14592, Application US/09252991A

Patent No. 6551795
GENERAL INFORMATION:
APPLICANT: Marc J. Rubenfield et al.
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
FILE REFERENCE: 107196.136
CURRENT APPLICATION NUMBER: US/09/252,991A
CURRENT FILING DATE: 1999-02-18
PRIOR APPLICATION NUMBER: US 60/074,788
PRIOR FILING DATE: 1998-02-18
PRIOR APPLICATION NUMBER: US 60/094,190
PRIOR FILING DATE: 1998-07-27
NUMBER OF SEQ ID NOS: 33142
SEQ ID NO 14592
LENGTH: 1008
TYPE: DNA
ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-14592

Query Match 83.2%; Score 15.8; DB 3; Length 1008;
Best Local Similarity 89.5%; Pred. No. 1.6e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GCGCGAGAGCCCGAAGCTGC 19
|||||

```
Db          765 GCGCGAGAGCCCGCACTCC 747

RESULT 17
US-09-146-950-17
; Sequence 17, Application US/09146950A
; Patent No. 6287808
; GENERAL INFORMATION:
; APPLICANT: Busfield, Samantha J.
; TITLE OF INVENTION: NOVEL MOLECULES OF THE HERPESVIRUS-ENTRY-MEDIATOR-RELATED
; FILE REFERENCE: 09404/057001
; CURRENT APPLICATION NUMBER: US/09/146,950A
; CURRENT FILING DATE: 1998-09-03
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 17
; LENGTH: 1596
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-146-950-17

Query Match          83.2%; Score 15.8; DB 3; Length 1596;
Best Local Similarity 89.5%; Pred. No. 1.6e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY          1 GCGCGAGAGCCCGCAACTGC 19
           ||||| ||||| ||||| |||||
Db          421 GCGCGAGAGCCCGCAACTGC 439

RESULT 18
US-09-934-289A-17
; Sequence 17, Application US/09934289A
; Patent No. 6852837
; GENERAL INFORMATION:
; APPLICANT: Busfield, Samantha J.
; TITLE OF INVENTION: NOVEL MOLECULES OF THE
; TITLE OF INVENTION: HERPESVIRUS-ENTRY-MEDIATOR-RELATED
; FILE REFERENCE: MB1098-061CP1CN1(M)
; CURRENT APPLICATION NUMBER: US/09/934,289A
; CURRENT FILING DATE: 2001-08-21
; PRIOR APPLICATION NUMBER: US 09/342,767
; PRIOR FILING DATE: 1999-06-29
; PRIOR APPLICATION NUMBER: US 09/146,950
; PRIOR FILING DATE: 1998-09-03
; NUMBER OF SEQ ID NOS: 58
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 17
; LENGTH: 1596
; TYPE: DNA
; ORGANISM: Homo sapiens
; NAME/KEY: CDS
; LOCATION: (107)...(697)
US-09-934-289A-17

Query Match          83.2%; Score 15.8; DB 3; Length 1596;
Best Local Similarity 89.5%; Pred. No. 1.6e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY          1 GCGCGAGAGCCCGCAACTGC 19
           ||||| ||||| ||||| |||||
Db          421 GCGCGAGAGCCCGCAACTGC 439

RESULT 19
US-09-949-016-2100
; Sequence 2100, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.

Db          765 GCGCGAGAGCCCGCACTCC 747

TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CI001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2100
; LENGTH: 1707
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-2100

Query Match          83.2%; Score 15.8; DB 3; Length 1707;
Best Local Similarity 89.5%; Pred. No. 1.6e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY          1 GCGCGAGAGCCCGCAACTGC 19
           ||||| ||||| ||||| |||||
Db          614 GCGCGAGAGCCCGCAACTGC 632

RESULT 20
US-08-509-024-1
; Sequence 1, Application US/08509024B
; Patent No. 6291207
; GENERAL INFORMATION:
; APPLICANT: SPEAR, Patricia G.
; TITLE OF INVENTION: HERPES VIRUS ENTRY RECEPTOR PROTEIN
; FILE REFERENCE: 0290-1
; CURRENT APPLICATION NUMBER: US/08/509,024B
; CURRENT FILING DATE: 1995-07-25
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1
; LENGTH: 1724
; TYPE: DNA
; ORGANISM: Homo sapiens
US-08-509-024-1

Query Match          83.2%; Score 15.8; DB 3; Length 1724;
Best Local Similarity 89.5%; Pred. No. 1.6e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY          1 GCGCGAGAGCCCGCAACTGC 19
           ||||| ||||| ||||| |||||
Db          608 GCGCGAGAGCCCGCAACTGC 626

RESULT 21
US-09-333-279-1
; Sequence 1, Application US/09333279
; Patent No. 6303336
; GENERAL INFORMATION:
; APPLICANT: SPEAR, Patricia G.
; TITLE OF INVENTION: HERPES VIRUS ENTRY RECEPTOR PROTEIN
; FILE REFERENCE: 0290-1
; CURRENT APPLICATION NUMBER: US/09/333,279
; CURRENT FILING DATE: 1999-06-15
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1
; LENGTH: 1724
; TYPE: DNA
; ORGANISM: Homo sapiens
```

US-09-333-279-1

Query Match 83.2%; Score 15.8; DB 3; Length 1724;
Best Local Similarity 89.5%; Pred. No. 1.6e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1 GCGCGAGAGCCGCACTGC 19
Db 608 GCGCGAGAGCCGCACTGC 626

RESULT 22

US-09-631-780-1
Sequence 1, Application US/09631780
Patent No. 6573058
GENERAL INFORMATION:
APPLICANT: SPEAR, Patricia G.
TITLE OF INVENTION: MONTGOMERY, Rebecca I.
FILE REFERENCE: 0290-1
CURRENT APPLICATION NUMBER: US/09/631,780
PRIOR FILING DATE: 2000-08-03
PRIOR APPLICATION NUMBER: US/08/509,024B
PRIOR FILING DATE: 1995-07-25
NUMBER OF SEQ ID NOS: 7
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 1
LENGTH: 1724
TYPE: DNA
ORGANISM: Homo sapiens
US-09-631-780-1

Query Match 83.2%; Score 15.8; DB 3; Length 1724;
Best Local Similarity 89.5%; Pred. No. 1.6e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1 GCGCGAGAGCCGCACTGC 19
Db 608 GCGCGAGAGCCGCACTGC 626

RESULT 23

US-09-934-289A-14
Sequence 14, Application US/09934289A
Patent No. 6852837
GENERAL INFORMATION:
APPLICANT: Busfield, Samantha J.
TITLE OF INVENTION: NOVEL MOLECULES OF THE
TITLE OF INVENTION: HERPESVIRUS-ENTRY-MEDIATOR-RELATED
TITLE OF INVENTION: PROTEIN FAMILY AND USES THEREOF
FILE REFERENCE: MB1098-061CPC1(N)
CURRENT APPLICATION NUMBER: US/09/934,289A
PRIOR FILING DATE: 2001-08-21
PRIOR APPLICATION NUMBER: US/09/342,767
PRIOR FILING DATE: 1999-06-29
PRIOR APPLICATION NUMBER: US 09/146,950
PRIOR FILING DATE: 1998-09-03
NUMBER OF SEQ ID NOS: 58
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 14
LENGTH: 1724
TYPE: DNA
ORGANISM: Homo sapiens
NAME/KEY: CDS
LOCATION: (294) ... (1142)
US-09-934-289A-14

Query Match 83.2%; Score 15.8; DB 3; Length 1724;
Best Local Similarity 89.5%; Pred. No. 1.6e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1 GCGCGAGAGCCGCACTGC 19

Db 608 GCGCGAGAGCCGCACTGC 626

RESULT 24
US-09-934-289A-41
Sequence 41, Application US/09934289A
Patent No. 6852837
GENERAL INFORMATION:
APPLICANT: Busfield, Samantha J.
TITLE OF INVENTION: NOVEL MOLECULES OF THE
TITLE OF INVENTION: HERPESVIRUS-ENTRY-MEDIATOR-RELATED
TITLE OF INVENTION: PROTEIN FAMILY AND USES THEREOF
FILE REFERENCE: MB1098-061CPC1(N)
CURRENT APPLICATION NUMBER: US/09/934,289A
PRIOR FILING DATE: 2001-08-21
PRIOR APPLICATION NUMBER: US 09/342,767
PRIOR FILING DATE: 1999-06-29
PRIOR APPLICATION NUMBER: US 09/146,950
PRIOR FILING DATE: 1998-09-03
NUMBER OF SEQ ID NOS: 58
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 41
LENGTH: 1834
TYPE: DNA
ORGANISM: Homo sapiens
NAME/KEY: CDS
LOCATION: (103) ... (933)
US-09-934-289A-41

Query Match 83.2%; Score 15.8; DB 3; Length 1834;
Best Local Similarity 89.5%; Pred. No. 1.6e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1 GCGCGAGAGCCGCACTGC 19
Db 417 GCGCGAGAGCCGCACTGC 435

RESULT 25

US-09-417-704-2/c
Sequence 2, Application US/09417704
Patent No. 644874
GENERAL INFORMATION:
APPLICANT: Duvick, John
TITLE OF INVENTION: Gilliam, Jacob
TITLE OF INVENTION: A Hydroperoxide Lyase Gene from Maize and Methods of
FILE REFERENCE: Maize hydroperoxide lyase (HPL)
CURRENT APPLICATION NUMBER: US/09/417,704
PRIOR FILING DATE: 1999-10-13
NUMBER OF SEQ ID NOS: 2
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 2
LENGTH: 1835
TYPE: DNA
ORGANISM: Zea mays
FEATURE:
NAME/KEY: 5'UTR
LOCATION: (1) .. (115)
FEATURE:
NAME/KEY: misc feature
LOCATION: (1025) .. (1027)
OTHER INFORMATION: I-helix
FEATURE:
NAME/KEY: misc binding
LOCATION: (1457) .. (1459)
OTHER INFORMATION: Heme-binding site
FEATURE:
NAME/KEY: 3'UTR
LOCATION: (1625) .. (1835)
US-09-417-704-2

Query Match 83.2%; Score 15.8; DB 3; Length 1835;
Best Local Similarity 89.5%; Pred. No. 1.6e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GCGGAGAGCCCGAAGTGC 19
|||||
DB 1231 GCGGCGCGCCCGAAGTGC 1213

RESULT 26
US-09-146-950-1
; Sequence 1, Application US/09146950A
; Patent No. 6287808
; GENERAL INFORMATION:
; APPLICANT: Busfield, Samantha J.
; TITLE OF INVENTION: NOVEL MOLECULES OF THE HERPESVIRUS-ENTRY-MEDIATOR-RELATED
; TITLE OF INVENTION: PROTEIN FAMILY AND USES THEREOF
; FILE REFERENCE: 09404/057001
; CURRENT APPLICATION NUMBER: US/09/146,950A
; CURRENT FILING DATE: 1998-09-03
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 1
; LENGTH: 1929
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (297)...(875)
US-09-146-950-1

Query Match 83.2%; Score 15.8; DB 3; Length 1929;
Best Local Similarity 89.5%; Pred. No. 1.6e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GCGGAGAGCCCGAAGTGC 19
|||||
DB 611 GCGGCGAGCCCGAAGTGC 629

RESULT 27
US-09-934-289A-1
; Sequence 1, Application US/09934289A
; Patent No. 6852837
; GENERAL INFORMATION:
; APPLICANT: Busfield, Samantha J.
; TITLE OF INVENTION: NOVEL MOLECULES OF THE
; TITLE OF INVENTION: HERPESVIRUS-ENTRY-MEDIATOR-RELATED
; FILE REFERENCE: M81098-061CPC1N1(M)
; CURRENT APPLICATION NUMBER: US/09/934,289A
; CURRENT FILING DATE: 2001-08-21
; PRIOR APPLICATION NUMBER: US 09/342,767
; PRIOR FILING DATE: 1999-06-29
; PRIOR APPLICATION NUMBER: US 09/146,950
; PRIOR FILING DATE: 1998-09-03
; NUMBER OF SEQ ID NOS: 58
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 1
; LENGTH: 1929
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (297)...(875)
US-09-934-289A-1

Query Match 83.2%; Score 15.8; DB 3; Length 1929;
Best Local Similarity 89.5%; Pred. No. 1.6e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

DB 611 GCGGCGAGCCCGAAGTGC 629
|||||

RESULT 28
US-09-934-289A-29
; Sequence 29, Application US/09934289A
; Patent No. 6852837
; GENERAL INFORMATION:
; APPLICANT: Busfield, Samantha J.
; TITLE OF INVENTION: NOVEL MOLECULES OF THE
; TITLE OF INVENTION: HERPESVIRUS-ENTRY-MEDIATOR-RELATED
; TITLE OF INVENTION: PROTEIN FAMILY AND USES THEREOF
; FILE REFERENCE: M81098-061CPC1N1(M)
; CURRENT APPLICATION NUMBER: US/09/934,289A
; CURRENT FILING DATE: 2001-08-21
; PRIOR APPLICATION NUMBER: US 09/342,767
; PRIOR FILING DATE: 1999-06-29
; PRIOR APPLICATION NUMBER: US 09/146,950
; PRIOR FILING DATE: 1998-09-03
; NUMBER OF SEQ ID NOS: 58
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 29
; LENGTH: 2313
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (85)...(642)
US-09-934-289A-29

Query Match 83.2%; Score 15.8; DB 3; Length 2313;
Best Local Similarity 89.5%; Pred. No. 1.7e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GCGGAGAGCCCGAAGTGC 19
|||||
DB 399 GCGGCGAGCCCGAAGTGC 417

RESULT 29
US-08-509-024-6
; Sequence 6, Application US/08509024B
; Patent No. 6291207
; GENERAL INFORMATION:
; APPLICANT: SPEAR, Patricia G.
; TITLE OF INVENTION: MONTGOMERY, Rebecca I.
; TITLE OF INVENTION: HERPES VIRUS ENTRY RECEPTOR PROTEIN
; FILE REFERENCE: 0290-1
; CURRENT APPLICATION NUMBER: US/08/509,024B
; CURRENT FILING DATE: 1995-07-25
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 6
; LENGTH: 4622
; TYPE: DNA
; ORGANISM: Homo sapiens
US-08-509-024-6

Query Match 83.2%; Score 15.8; DB 3; Length 4622;
Best Local Similarity 89.5%; Pred. No. 1.7e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GCGGAGAGCCCGAAGTGC 19
|||||
DB 378 GCGGCGAGCCCGAAGTGC 396

RESULT 30
US-09-333-279-6
; Sequence 6, Application US/09333279
; Patent No. 6303336
; GENERAL INFORMATION:


```
; APPLICANT: SPEAR, Patricia G.
; APPLICANT: MONTGOMERY, Rebecca I.
; TITLE OF INVENTION: HERPES VIRUS ENTRY RECEPTOR PROTEIN
; FILE REFERENCE: 0290-1
; CURRENT APPLICATION NUMBER: US/09/333,279
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 6
; LENGTH: 4622
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-09-333-279-6
```

```
Query Match      83.2%; Score 15.8; DB 3; Length 4622;
Best Local Similarity 89.5%; Pred. No. 1.7e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
```

```
QY      1 GCGCGAGAGCCCGAAGTGC 19
Db      378 GCGCGAGAGCCCGAAGTGC 396
```

```
RESULT 31
US-09-631-780-6
; Sequence 6, Application US/09631780
; Patent No. 6573058
; GENERAL INFORMATION:
; APPLICANT: SPEAR, Patricia G.
; APPLICANT: MONTGOMERY, Rebecca I.
; TITLE OF INVENTION: HERPES VIRUS ENTRY RECEPTOR PROTEIN
; FILE REFERENCE: 0290-1
; CURRENT APPLICATION NUMBER: US/09/631,780
; CURRENT FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: US/08/509,024B
; PRIOR FILING DATE: 1995-07-25
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 6
; LENGTH: 4622
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-09-631-780-6
```

```
Query Match      83.2%; Score 15.8; DB 3; Length 4622;
Best Local Similarity 89.5%; Pred. No. 1.7e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
```

```
QY      1 GCGCGAGAGCCCGAAGTGC 19
Db      378 GCGCGAGAGCCCGAAGTGC 396
```

```
RESULT 32
US-09-949-016-13842
; Sequence 13842, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 13842
```

```
; LENGTH: 11465
; TYPE: DNA
; ORGANISM: Human
; US-09-949-016-13842
```

```
Query Match      83.2%; Score 15.8; DB 3; Length 11465;
Best Local Similarity 89.5%; Pred. No. 1.8e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
```

```
QY      1 GCGCGAGAGCCCGAAGTGC 19
Db      5468 GCGCGAGAGCCCGAAGTGC 5486
```

```
RESULT 33
US-09-949-016-11941/c
; Sequence 11941, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 11941
; LENGTH: 81433
; TYPE: DNA
; ORGANISM: Human
; US-09-949-016-11941
```

```
Query Match      83.2%; Score 15.8; DB 3; Length 81433;
Best Local Similarity 89.5%; Pred. No. 1.9e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
```

```
QY      1 GCGCGAGAGCCCGAAGTGC 19
Db      1540 GCGCGAGAGCCCGAAGTGC 1522
```

```
RESULT 34
US-09-949-016-17374/c
; Sequence 17374, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 17374
; LENGTH: 84227
; TYPE: DNA
; ORGANISM: Human
; US-09-949-016-17374
```

Query Match 83.2%; Score 15.8; DB 3; Length 84227;
Best Local Similarity 89.5%; Pred. No. 1.9e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GCGGAGAGCCCGAAGTGC 19
|||||
DB 1861 GCGGAGAGCCCGAATGC 1843

RESULT 35
US-09-252-991A-4027/C

; Sequence 4027, Application US/09252991A
; Patent No. 6551795

; GENERAL INFORMATION:

; APPLICANT: Marc J. Rubenfield et al.

; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS

; FILE REFERENCE: 107196.136

; CURRENT APPLICATION NUMBER: US/09/252,991A

; PRIOR FILING DATE: 1999-02-18

; PRIOR APPLICATION NUMBER: US 60/074,788

; PRIOR FILING DATE: 1998-02-18

; PRIOR APPLICATION NUMBER: US 60/094,190

; PRIOR FILING DATE: 1998-07-27

; NUMBER OF SEQ ID NOS: 33142

; SEQ ID NO 4027

; LENGTH: 759

; TYPE: DNA

; ORGANISM: Pseudomonas aeruginosa

; US-09-252-991A-4027

Query Match 81.1%; Score 15.4; DB 3; Length 759;
Best Local Similarity 94.1%; Pred. No. 2.5e+02;

Matches 16; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 GCGGAGAGCCCGAAGTGC 17
|||||
DB 192 GCGGAGAGCCCGAAGTGC 176

RESULT 36
US-09-252-991A-3990/C

; Sequence 3990, Application US/09252991A
; Patent No. 6551795

; GENERAL INFORMATION:

; APPLICANT: Marc J. Rubenfield et al.

; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS

; FILE REFERENCE: 107196.136

; CURRENT APPLICATION NUMBER: US/09/252,991A

; PRIOR FILING DATE: 1999-02-18

; PRIOR APPLICATION NUMBER: US 60/074,788

; PRIOR FILING DATE: 1998-02-18

; PRIOR APPLICATION NUMBER: US 60/094,190

; PRIOR FILING DATE: 1998-07-27

; NUMBER OF SEQ ID NOS: 33142

; SEQ ID NO 3990

; LENGTH: 1674

; TYPE: DNA

; ORGANISM: Pseudomonas aeruginosa

; FEATURE:

; NAME/KEY: unsure

; LOCATION: (1504), (1674)

; OTHER INFORMATION: Identity of nucleotide at the above locations are unknown.

; US-09-252-991A-3990

Query Match 81.1%; Score 15.4; DB 3; Length 1674;
Best Local Similarity 94.1%; Pred. No. 2.6e+02;

Matches 16; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 GCGGAGAGCCCGAAGTGC 17
|||||
DB 172 GCGGAGAGCCCGAAGTGC 156

RESULT 37
US-09-902-540-2317/C

; Sequence 2317, Application US/0902540
; Patent No. 6833447

; GENERAL INFORMATION:

; APPLICANT: Goldman, Barry S.

; APPLICANT: Hinkle, Gregory J.

; APPLICANT: Slater, Steven C.

; APPLICANT: Wiegand, Roger C.

; TITLE OF INVENTION: Myxococcus xanthus Genome Sequences and Uses Thereof

; FILE REFERENCE: 38-10(15849)B

; CURRENT APPLICATION NUMBER: US/09/902,540

; PRIOR FILING DATE: 2001-07-10

; PRIOR APPLICATION NUMBER: 60/217,883

; PRIOR FILING DATE: 2000-07-10

; NUMBER OF SEQ ID NOS: 16825

; SEQ ID NO 2317

; LENGTH: 1029

; TYPE: DNA

; ORGANISM: Myxococcus xanthus

; US-09-902-540-2317

Query Match 77.9%; Score 14.8; DB 3; Length 1029;
Best Local Similarity 88.9%; Pred. No. 4.9e+02;

Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 2 CGGAGAGCCCGAAGTGC 19
|||||
DB 709 CGAGAGGCCCGTAATGC 692

RESULT 38
US-09-902-540-7746/C

; Sequence 7746, Application US/0902540
; Patent No. 6833447

; GENERAL INFORMATION:

; APPLICANT: Goldman, Barry S.

; APPLICANT: Hinkle, Gregory J.

; APPLICANT: Slater, Steven C.

; APPLICANT: Wiegand, Roger C.

; TITLE OF INVENTION: Myxococcus xanthus Genome Sequences and Uses Thereof

; FILE REFERENCE: 38-10(15849)B

; CURRENT APPLICATION NUMBER: US/09/902,540

; PRIOR FILING DATE: 2001-07-10

; PRIOR APPLICATION NUMBER: 60/217,883

; PRIOR FILING DATE: 2000-07-10

; NUMBER OF SEQ ID NOS: 16825

; SEQ ID NO 7746

; LENGTH: 1773

; TYPE: DNA

; ORGANISM: Myxococcus xanthus

; US-09-902-540-7746

Query Match 77.9%; Score 14.8; DB 3; Length 1773;
Best Local Similarity 88.9%; Pred. No. 5e+02;

Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 2 CGGAGAGCCCGAAGTGC 19
|||||
DB 257 CGGAGAGCCCGAAGTGC 240

RESULT 39
US-09-722-971-13/C

; Sequence 13, Application US/09722971
; Patent No. 6599408

; GENERAL INFORMATION:

; APPLICANT: Allen, Steve

; APPLICANT: Butler, Karla

; APPLICANT: Pang, Yitwen

; APPLICANT: Helentjaris, Tim

```

; APPLICANT: Macool, Dan
; TITLE OF INVENTION: Regulator of Sugar and Hormone Responses
; FILE REFERENCE: BBI409 US NA
; CURRENT APPLICATION NUMBER: US/09/722,971
; CURRENT FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/169969
; PRIOR FILING DATE: 1999-12-09
; NUMBER OF SEQ ID NOS: 21
; SOFTWARE: Microsoft Office 97
; SEQ ID NO: 13
; LENGTH: 1865
; TYPE: DNA
; ORGANISM: Oryza sativa
; US-09-722-971-13

Query Match
Best Local Similarity 88.9%; Score 14.8; DB 3; Length 1865;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GCGCGAGCGCCGACTG 18
Db 1205 GCGCCATAGCCCGACTG 1188

RESULT 40
US-09-902-540-617
; Sequence 617, Application US/09902540
; Patent No. 6833447
; GENERAL INFORMATION:
; APPLICANT: Goldman, Barry S.
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Wiegand, Roger C.
; TITLE OF INVENTION: Myxococcus xanthus Genome Sequences and Uses Thereof
; FILE REFERENCE: 38-10(15849)B
; CURRENT APPLICATION NUMBER: US/09/902,540
; CURRENT FILING DATE: 2001-07-10
; PRIOR APPLICATION NUMBER: 60/217,883
; PRIOR FILING DATE: 2000-07-10
; NUMBER OF SEQ ID NOS: 16825
; SEQ ID NO: 617
; LENGTH: 4348
; TYPE: DNA
; ORGANISM: Myxococcus xanthus
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(4348)
; OTHER INFORMATION: unsure at all n locations
; US-09-902-540-617

Query Match
Best Local Similarity 88.9%; Score 14.8; DB 3; Length 4348;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 2 CCGGAGAGCCCGACTGC 19
Db 457 CGAGAGAGCCCGACTGC 474

RESULT 41
US-09-902-540-768/C
; Sequence 768, Application US/09902540
; Patent No. 6833447
; GENERAL INFORMATION:
; APPLICANT: Goldman, Barry S.
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Wiegand, Roger C.
; TITLE OF INVENTION: Myxococcus xanthus Genome Sequences and Uses Thereof
; FILE REFERENCE: 38-10(15849)B
; CURRENT APPLICATION NUMBER: US/09/902,540
; CURRENT FILING DATE: 2001-07-10
; PRIOR APPLICATION NUMBER: 60/217,883
```

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; PRIOR FILING DATE: 2000-07-10
; NUMBER OF SEQ ID NOS: 16825
; SEQ ID NO: 768
; LENGTH: 4854
; TYPE: DNA
; ORGANISM: Myxococcus xanthus
; US-09-902-540-768

Query Match
Best Local Similarity 88.9%; Score 14.8; DB 3; Length 4854;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 2 CCGGAGAGCCCGACTGC 19
Db 258 CCGGAGAGCCCGACTGC 241

RESULT 42
US-09-949-016-11852
; Sequence 11852, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO: 11852
; LENGTH: 321022
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)..(321022)
; OTHER INFORMATION: n = A,T,C or G
; US-09-949-016-11852

Query Match
Best Local Similarity 88.9%; Score 14.8; DB 3; Length 321022;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GCGCGAGAGCCCGACTG 18
Db 1180 GCGCGAGAGCCCGACTG 1197

RESULT 43
US-09-949-016-11852
; Sequence 11852, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
```

```
SOFTWARE: FaSTSeq for Windows Version 4.0
; SEQ ID NO 1416
; LENGTH: 321022
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)..(321022)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-14166

Query Match          77.9%; Score 14.8; DB 3; Length 321022;
Best Local Similarity 88.9%; Pred. No. 5.8e+02;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      1 GCGCGAGAGCCGACTG 18
Db      1180 GCGCGAGAGCCGAGCTG 1197

RESULT 44
US-09-252-991A-1615
; Sequence 1615, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 1615
; LENGTH: 432
; TYPE: DNA
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-1615

Query Match          75.8%; Score 14.4; DB 3; Length 432;
Best Local Similarity 93.8%; Pred. No. 7.5e+02;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1 GCGCGAGAGCCGAC 16
Db      360 GCGCGAGAGCCGAC 375

RESULT 45
US-09-602-787A-297/c
; Sequence 297, Application US/09602787A
; Patent No. 6696561
; GENERAL INFORMATION:
; APPLICANT: Pompejus, Mark
; APPLICANT: Krüger, Burkhard
; APPLICANT: Schödel, Hartwig
; APPLICANT: Zelder, Oskar
; APPLICANT: Haderbauer, Gregor
; TITLE OF INVENTION: CORYNEBACTERIUM GLUTAMICUM GENES ENCODING PROTEINS
; TITLE OF INVENTION: INVOLVED IN MEMBRANE SYNTHESIS AND MEMBRANE
; FILE REFERENCE: BGI-125CP
; CURRENT APPLICATION NUMBER: US/09/602,787A
; CURRENT FILING DATE: 2000-06-23
; PRIOR APPLICATION NUMBER: USN 60/141031
; PRIOR FILING DATE: 1999-06-25
; PRIOR APPLICATION NUMBER: DE 19931454.3
; PRIOR FILING DATE: 1999-07-08
; PRIOR APPLICATION NUMBER: DE 19931478.0
; PRIOR FILING DATE: 1999-07-08
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; PRIOR APPLICATION NUMBER: DE 19931563.9
; PRIOR FILING DATE: 1999-07-08
; PRIOR APPLICATION NUMBER: DE 19932122.1
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: DE 19932124.8
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: DE 19932125.6
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: DE 19932128.0
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: DE 19932180.9
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: DE 19932182.5
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: DE 19932190.6
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: DE 19932191.4
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: DE 19932209.0
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: DE 19932212.0
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: DE 19932227.9
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: DE 19932228.7
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: DE 19932229.5
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: DE 19932230.9
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: DE 19932927.3
; PRIOR FILING DATE: 1999-07-14
; PRIOR APPLICATION NUMBER: DE 19933005.0
; PRIOR FILING DATE: 1999-07-14
; PRIOR APPLICATION NUMBER: DE 19933006.9
; PRIOR FILING DATE: 1999-07-14
; PRIOR APPLICATION NUMBER: DE 19940764.9
; PRIOR FILING DATE: 1999-08-27
; PRIOR APPLICATION NUMBER: DE 19940765.7
; PRIOR FILING DATE: 1999-08-27
; PRIOR APPLICATION NUMBER: DE 19940766.5
; PRIOR FILING DATE: 1999-08-27
; PRIOR APPLICATION NUMBER: DE 19940830.0
; PRIOR FILING DATE: 1999-08-27
; PRIOR APPLICATION NUMBER: DE 19940831.9
; PRIOR FILING DATE: 1999-08-27
; PRIOR APPLICATION NUMBER: DE 19940832.7
; PRIOR FILING DATE: 1999-08-27
; PRIOR APPLICATION NUMBER: DE 19940833.5
; PRIOR FILING DATE: 1999-08-27
; PRIOR APPLICATION NUMBER: DE 19941378.9
; PRIOR FILING DATE: 1999-08-31
; PRIOR APPLICATION NUMBER: DE 19941379.7
; PRIOR FILING DATE: 1999-08-31
; PRIOR APPLICATION NUMBER: DE 19941395.9
; PRIOR FILING DATE: 1999-08-31
; PRIOR APPLICATION NUMBER: DE 19942077.7
; PRIOR FILING DATE: 1999-09-03
; PRIOR APPLICATION NUMBER: DE 19942078.5
; PRIOR FILING DATE: 1999-09-03
; PRIOR APPLICATION NUMBER: DE 19942079.3
; PRIOR FILING DATE: 1999-09-03
; PRIOR APPLICATION NUMBER: DE 19942088.2
; PRIOR FILING DATE: 1999-09-03
; NUMBER OF SEQ ID NOS: 678
; SEQ ID NO 297
; LENGTH: 789
; TYPE: DNA
; ORGANISM: Corynebacterium glutamicum
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (101)..(766)
; OTHER INFORMATION: RXN00410
```

US-09-602-787A-297

Query Match 75.8%; Score 14.4; DB 3; Length 789;
Best Local Similarity 93.8%; Pred. No. 7.7e+02;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 4 CGAGAGCCCGAAGTCG 19
|||||
DB 143 CGAGAGCCCGAAGTCG 128

RESULT 46

US-09-602-787A-299/c
Sequence 299, Application US/09602787A
Patent No. 6696561

GENERAL INFORMATION:

APPLICANT: Pompejus, Mark

APPLICANT: Krüger, Burkhard

APPLICANT: Schöder, Hartwig

APPLICANT: Zelder, Oskar

APPLICANT: Habehauer, Gregor

TITLE OF INVENTION: CORNEBACTERIUM GLUTAMICUM GENES ENCODING PROTEINS INVOLVED IN MEMBRANE SYNTHESIS AND MEMBRANE

FILE REFERENCE: BGI-125CP

CURRENT APPLICATION NUMBER: US/09/602,787A

CURRENT FILING DATE: 2000-06-23

PRIOR APPLICATION NUMBER: USN 60/141031

PRIOR FILING DATE: 1999-06-25

PRIOR APPLICATION NUMBER: DE 19931454.3

PRIOR FILING DATE: 1999-07-08

PRIOR APPLICATION NUMBER: DE 19931478.0

PRIOR FILING DATE: 1999-07-08

PRIOR APPLICATION NUMBER: DE 19931563.9

PRIOR FILING DATE: 1999-07-08

PRIOR APPLICATION NUMBER: DE 19932122.1

PRIOR FILING DATE: 1999-07-09

PRIOR APPLICATION NUMBER: DE 19932124.8

PRIOR FILING DATE: 1999-07-09

PRIOR APPLICATION NUMBER: DE 19932125.6

PRIOR FILING DATE: 1999-07-09

PRIOR APPLICATION NUMBER: DE 19932128.0

PRIOR FILING DATE: 1999-07-09

PRIOR APPLICATION NUMBER: DE 19932180.9

PRIOR FILING DATE: 1999-07-09

PRIOR APPLICATION NUMBER: DE 19932182.5

PRIOR FILING DATE: 1999-07-09

PRIOR APPLICATION NUMBER: DE 19932190.6

PRIOR FILING DATE: 1999-07-09

PRIOR APPLICATION NUMBER: DE 19932191.4

PRIOR FILING DATE: 1999-07-09

PRIOR APPLICATION NUMBER: DE 19932209.0

PRIOR FILING DATE: 1999-07-09

PRIOR APPLICATION NUMBER: DE 19932212.0

PRIOR FILING DATE: 1999-07-09

PRIOR APPLICATION NUMBER: DE 19932227.9

PRIOR FILING DATE: 1999-07-09

PRIOR APPLICATION NUMBER: DE 19932228.7

PRIOR FILING DATE: 1999-07-09

PRIOR APPLICATION NUMBER: DE 19932229.5

PRIOR FILING DATE: 1999-07-09

PRIOR APPLICATION NUMBER: DE 19932230.9

PRIOR FILING DATE: 1999-07-09

PRIOR APPLICATION NUMBER: DE 19932927.3

PRIOR FILING DATE: 1999-07-14

PRIOR APPLICATION NUMBER: DE 19933005.0

PRIOR FILING DATE: 1999-07-14

PRIOR APPLICATION NUMBER: DE 19933006.9

PRIOR FILING DATE: 1999-07-14

PRIOR APPLICATION NUMBER: DE 19940764.9

PRIOR FILING DATE: 1999-08-27

PRIOR APPLICATION NUMBER: DE 19940765.7

PRIOR FILING DATE: 1999-08-27

PRIOR APPLICATION NUMBER: DE 19940766.5

PRIOR FILING DATE: 1999-08-27

PRIOR APPLICATION NUMBER: DE 19940830.0

PRIOR FILING DATE: 1999-08-27

PRIOR APPLICATION NUMBER: DE 19940831.9

PRIOR FILING DATE: 1999-08-27

PRIOR APPLICATION NUMBER: DE 19940832.7

PRIOR FILING DATE: 1999-08-27

PRIOR APPLICATION NUMBER: DE 19940833.5

PRIOR FILING DATE: 1999-08-27

PRIOR APPLICATION NUMBER: DE 19941378.9

PRIOR FILING DATE: 1999-08-31

PRIOR APPLICATION NUMBER: DE 19941379.7

PRIOR FILING DATE: 1999-08-31

PRIOR APPLICATION NUMBER: DE 19941395.9

PRIOR FILING DATE: 1999-08-31

PRIOR APPLICATION NUMBER: DE 19942077.7

PRIOR FILING DATE: 1999-09-03

PRIOR APPLICATION NUMBER: DE 19942078.5

PRIOR FILING DATE: 1999-09-03

PRIOR APPLICATION NUMBER: DE 19942079.3

PRIOR FILING DATE: 1999-09-03

PRIOR APPLICATION NUMBER: DE 19942088.2

PRIOR FILING DATE: 1999-09-03

NUMBER OF SEQ ID NOS: 678

SEQ ID NO 299

LENGTH: 789

TYPE: DNA

ORGANISM: Corynebacterium glutamicum

FEATURE:

NAME/KEY: CDS (766)

LOCATION: (101) (766)

OTHER INFORMATION: FRXA00410

US-09-602-787A-299

Query Match 75.8%; Score 14.4; DB 3; Length 789;
Best Local Similarity 93.8%; Pred. No. 7.7e+02;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 4 CGAGAGCCCGAAGTCG 19
|||||
DB 143 CGAGAGCCCGAAGTCG 128

RESULT 47

US-09-252-991A-10271

Sequence 10271, Application US/09252991A

Patent No. 6551795

GENERAL INFORMATION:

APPLICANT: Marc J. Rubenfield et al.

TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS

FILE REFERENCE: 107196.136

CURRENT APPLICATION NUMBER: US/09/252,991A

CURRENT FILING DATE: 1999-02-18

PRIOR APPLICATION NUMBER: US 60/074,788

PRIOR FILING DATE: 1998-02-18

PRIOR APPLICATION NUMBER: US 60/094,190

PRIOR FILING DATE: 1998-07-27

NUMBER OF SEQ ID NOS: 33142

SEQ ID NO 10271

LENGTH: 801

TYPE: DNA

ORGANISM: Pseudomonas aeruginosa

US-09-252-991A-10271

Query Match 75.8%; Score 14.4; DB 3; Length 801;
Best Local Similarity 93.8%; Pred. No. 7.7e+02;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 GCGCGAGAGCCCGAAC 16
|||||
DB 363 GCGCGAGAGCCCGAAC 378

```
RESULT 48
US-09-252-991A-10483
; Sequence 10483, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; PRIOR FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 10483
; LENGTH: 921
; TYPE: DNA
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-10483
```

```
Query Match 75.8%; Score 14.4; DB 3; Length 921;
Best Local Similarity 93.8%; Pred. No. 7.7e+02;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
OY 1 GCGGAGAGCCCGAAC 16
Db 580 GCGGAGAGCCCGAAC 595
```

```
RESULT 49
US-10-237-551-88/c
; Sequence 88, Application US/10237551
; Patent No. 6821519
; GENERAL INFORMATION:
; APPLICANT: Day, Craig H.
; APPLICANT: Hosken, Nancy A.
; APPLICANT: Parsons, Joseph M.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE DIAGNOSIS AND
; FILE REFERENCE: 210121.538C3
; CURRENT APPLICATION NUMBER: US/10/237,551
; CURRENT FILING DATE: 2002-09-06
; NUMBER OF SEQ ID NOS: 254
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 88
; LENGTH: 939
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-237-551-88
```

```
Query Match 75.8%; Score 14.4; DB 3; Length 939;
Best Local Similarity 93.8%; Pred. No. 7.7e+02;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
OY 1 GCGGAGAGCCCGAAC 16
Db 732 GCGGAGAGCCCGAAC 717
```

```
RESULT 50
US-09-252-991A-1552/c
; Sequence 1552, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
```

```
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 1552
; LENGTH: 1272
; TYPE: DNA
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-1552
```

```
Query Match 75.8%; Score 14.4; DB 3; Length 1272;
Best Local Similarity 93.8%; Pred. No. 7.8e+02;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
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OY 1 GCGGAGAGCCCGAAC 16
Db 652 GCGGAGAGCCCGAAC 637
```

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Search completed: January 11, 2006, 21:34:36
Job time: 121.153 secs
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OM nucleic - nucleic search, using sw model

Run on: January 11, 2006, 21:19:50 ; Search time 462.119 Seconds
(without alignments)
339.995 Million cell updates/sec

Title: US-10-086-206a-4

Perfect score: 19

Sequence: 1 gcgcgagagccgcgaactgc 19

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0
Searched: 9793542 seqs, 413468905 residues

Total number of hits satisfying chosen parameters: 19587084

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%
Listing first 1000 summaries

Database :

Published Applications NA Main:*

- 1: /cgn2_6/prodata/1/pubpna/us07_PUBCOMB.seq:*
- 2: /cgn2_6/prodata/1/pubpna/us08_PUBCOMB.seq:*
- 3: /cgn2_6/prodata/1/pubpna/us09A_PUBCOMB.seq:*
- 4: /cgn2_6/prodata/1/pubpna/us09B_PUBCOMB.seq:*
- 5: /cgn2_6/prodata/1/pubpna/us10A_PUBCOMB.seq:*
- 6: /cgn2_6/prodata/1/pubpna/us10B_PUBCOMB.seq:*
- 7: /cgn2_6/prodata/1/pubpna/us10C_PUBCOMB.seq:*
- 8: /cgn2_6/prodata/1/pubpna/us10D_PUBCOMB.seq:*
- 9: /cgn2_6/prodata/1/pubpna/us10E_PUBCOMB.seq:*
- 10: /cgn2_6/prodata/1/pubpna/us11_PUBCOMB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysts of the total score distribution.

SUMMARIES

Result No.	Score	Query Match %	Length	DB ID	Description
1	19	100.0	19	6	US-10-086-206-4
2	19	100.0	1230	7	US-10-282-122a-26407
3	19	100.0	1233	3	US-09-712-163-27
4	19	100.0	1233	7	US-10-282-122a-28204
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7	19	100.0	86114	8	US-10-468-356-648
8	17.4	91.6	612	7	US-10-282-122a-13734
9	17.4	91.6	1437	6	US-10-369-493-31424
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13	15.8	83.2	126	3	US-09-934-289a-53
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16	15.8	83.2	126	8	US-10-932-991-39
17	15.8	83.2	126	8	US-10-932-991-53
18	15.8	83.2	308	8	US-10-425-115-59071
19	15.8	83.2	371	8	US-10-856-499-1466
20	15.8	83.2	528	6	US-10-156-761-5377
21	15.8	83.2	558	6	US-09-934-289a-31
22	15.8	83.2	558	8	US-10-932-991-31
23	15.8	83.2	579	3	US-09-934-289a-3

24	15.8	83.2	579	8	US-10-932-991-3	Sequence 3, Appl1
25	15.8	83.2	591	3	US-09-934-289a-19	Sequence 19, Appl1
26	15.8	83.2	591	8	US-10-932-991-19	Sequence 19, Appl1
27	15.8	83.2	672	6	US-10-156-761-6873	Sequence 6873, Ap
28	15.8	83.2	831	3	US-09-934-289a-43	Sequence 43, Appl1
29	15.8	83.2	831	8	US-10-932-991-43	Sequence 43, Appl1
30	15.8	83.2	840	8	US-10-363-345a-15745	Sequence 15745, A
31	15.8	83.2	840	8	US-10-363-345a-15746	Sequence 15746, A
32	15.8	83.2	840	9	US-10-363-483a-15745	Sequence 15745, A
33	15.8	83.2	840	9	US-10-363-483a-15746	Sequence 15746, A
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37	15.8	83.2	841	9	US-10-363-483a-31340	Sequence 31340, A
38	15.8	83.2	852	9	US-10-775-204-38	Sequence 38, Appl1
39	15.8	83.2	852	9	US-10-775-204-116	Sequence 116, App
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41	15.8	83.2	1029	7	US-10-282-122a-11581	Sequence 11581, A
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43	15.8	83.2	1081	7	US-10-425-114-2535	Sequence 2535, Ap
44	15.8	83.2	1476	7	US-10-437-963-5859	Sequence 5859, Ap
45	15.8	83.2	1558	7	US-10-322-281-545	Sequence 545, App
46	15.8	83.2	1596	3	US-09-934-289a-17	Sequence 17, Appl1
47	15.8	83.2	1596	8	US-10-932-991-17	Sequence 17, Appl1
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49	15.8	83.2	1704	9	US-10-939-359-1	Sequence 1, Appl1
50	15.8	83.2	1724	3	US-09-924-231-1	Sequence 1, Appl1
51	15.8	83.2	1724	3	US-09-934-289a-14	Sequence 14, Appl1
52	15.8	83.2	1724	6	US-10-369-300-1	Sequence 1, Appl1
53	15.8	83.2	1724	7	US-10-614-853-11	Sequence 11, Appl1
54	15.8	83.2	1724	8	US-10-745-718-1	Sequence 1, Appl1
55	15.8	83.2	1724	8	US-10-932-991-14	Sequence 14, Appl1
56	15.8	83.2	1789	6	US-10-310-154-159	Sequence 159, App
57	15.8	83.2	1789	9	US-10-732-923-319	Sequence 319, App
58	15.8	83.2	1834	3	US-09-934-289a-41	Sequence 41, Appl1
59	15.8	83.2	1834	8	US-10-932-991-41	Sequence 41, Appl1
60	15.8	83.2	1835	3	US-09-779-429-2	Sequence 2, Appl1
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64	15.8	83.2	1929	8	US-10-932-991-1	Sequence 1, Appl1
65	15.8	83.2	1930	7	US-10-322-281-547	Sequence 547, App
66	15.8	83.2	2094	7	US-10-282-122a-25855	Sequence 25855, A
67	15.8	83.2	2260	7	US-10-322-281-549	Sequence 549, App
68	15.8	83.2	2313	3	US-09-934-289a-29	Sequence 29, Appl1
69	15.8	83.2	2313	9	US-10-932-991-29	Sequence 29, Appl1
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75	15.8	83.2	4622	8	US-10-745-718-6	Sequence 6, Appl1
76	15.8	83.2	28049	7	US-10-322-281-544	Sequence 544, App
77	15.8	83.2	2256646	7	US-10-470-565-1	Sequence 1, Appl1
78	15.8	83.2	9025608	6	US-10-156-761-1	Sequence 1, Appl1
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81	15.4	81.1	546	4	US-09-925-065a-251622	Sequence 251622, Sequence
82	15.4	81.1	546	4	US-09-925-065a-251623	Sequence 251623, Sequence
83	15.4	81.1	564	6	US-10-369-493-35434	Sequence 35434, A
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85	15.4	81.1	564	6	US-10-369-493-38433	Sequence 38433, A
86	15.4	81.1	564	6	US-10-369-493-38911	Sequence 38911, A
87	15.4	81.1	689	5	US-10-927-632-133400	Sequence 133400, Sequence
88	15.4	81.1	689	5	US-10-927-632-133401	Sequence 133401, Sequence
89	15.4	81.1	1266	6	US-10-369-493-34561	Sequence 34561, A
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91	15.4	81.1	1371	7	US-10-437-963-39771	Sequence 39771, A
92	15.4	81.1	1493	7	US-10-437-963-73337	Sequence 73337, A
93	15.4	81.1	2269	6	US-10-369-493-36196	Sequence 36196, A
94	15.4	81.1	2639	7	US-10-437-963-73337	Sequence 73337, A
95	15.4	81.1	3576	7	US-10-282-122a-26347	Sequence 26347, A
96	15.4	81.1	24081	6	US-10-132-134-13	Sequence 28460, A

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C 98	14.8	77.9	2101	8	US-10-719-993-17289	Sequence 17289, A	C 171	14.4	75.8	1765	6	US-10-237-551-225	Sequence 225, App
C 99	14.8	77.9	217	8	US-10-723-860-2176	Sequence 2176, Ap	C 172	14.4	75.8	1765	6	US-10-945-050-225	Sequence 225, App
C 100	14.8	77.9	339	8	US-10-425-115-48543	Sequence 48543, A	C 173	14.4	75.8	2091	5	US-10-121-988-78	Sequence 78, Appl1
C 101	14.8	77.9	413	3	US-09-960-352-5114	Sequence 5114, Ap	C 174	14.4	75.8	2091	6	US-10-200-562-78	Sequence 78, Appl1
C 102	14.8	77.9	426	8	US-10-723-860-2189	Sequence 2189, Ap	C 175	14.4	75.8	2091	6	US-10-237-551-78	Sequence 78, Appl1
C 103	14.8	77.9	450	4	US-09-925-065A-750704	Sequence 750704, A	C 176	14.4	75.8	2091	6	US-10-337-551-226	Sequence 226, App
C 104	14.8	77.9	456	4	US-09-925-065A-757698	Sequence 757698, A	C 177	14.4	75.8	2091	6	US-10-945-050-78	Sequence 78, Appl1
C 105	14.8	77.9	456	4	US-09-925-065A-757699	Sequence 757699, A	C 178	14.4	75.8	2091	5	US-10-945-050-226	Sequence 226, App
C 106	14.8	77.9	477	8	US-10-425-115-96424	Sequence 96424, A	C 179	14.4	75.8	2118	9	US-10-121-988-87	Sequence 87, Appl1
C 107	14.8	77.9	581	3	US-09-799-777-132	Sequence 132, App	C 180	14.4	75.8	2118	6	US-10-200-562-87	Sequence 87, Appl1
C 108	14.8	77.9	585	6	US-10-369-493-32179	Sequence 32179, A	C 181	14.4	75.8	2118	6	US-10-237-551-87	Sequence 87, Appl1
C 109	14.8	77.9	799	7	US-10-437-963-71850	Sequence 71850, A	C 182	14.4	75.8	2118	9	US-10-945-050-87	Sequence 87, Appl1
C 110	14.8	77.9	810	7	US-10-282-122A-25813	Sequence 25813, A	C 183	14.4	75.8	2211	5	US-10-121-988-86	Sequence 86, Appl1
C 111	14.8	77.9	822	8	US-10-723-860-6432	Sequence 6432, Ap	C 184	14.4	75.8	2211	6	US-10-200-562-86	Sequence 86, Appl1
C 112	14.8	77.9	863	3	US-10-425-115-84882	Sequence 78852, A	C 185	14.4	75.8	2211	6	US-10-337-551-86	Sequence 86, Appl1
C 113	14.8	77.9	913	8	US-10-425-115-78480	Sequence 84480, A	C 186	14.4	75.8	2211	9	US-10-945-050-86	Sequence 86, Appl1
C 114	14.8	77.9	925	7	US-10-437-963-48839	Sequence 48839, A	C 187	14.4	75.8	3742	7	US-10-337-963-8005	Sequence 8005, Ap
C 115	14.8	77.9	939	6	US-10-181-319-22	Sequence 48839, A	C 188	14.4	75.8	3642	7	US-10-739-096-1	Sequence 1, Appl1
C 116	14.8	77.9	972	7	US-10-282-122A-35759	Sequence 35759, A	C 189	14.4	75.8	3642	9	US-10-494-364-1	Sequence 1, Appl1
C 117	14.8	77.9	1006	7	US-10-437-963-51619	Sequence 51619, A	C 190	14.4	75.8	36535	7	US-10-739-096-9	Sequence 9, Appl1
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C 119	14.8	77.9	1182	6	US-10-156-761-7134	Sequence 7134, Ap	C 192	14.4	75.8	36604	7	US-10-739-096-5	Sequence 5, Appl1
C 120	14.8	77.9	1330	7	US-10-767-701-13517	Sequence 13517, A	C 193	14.4	75.8	36604	9	US-10-494-364-5	Sequence 5, Appl1
C 121	14.8	77.9	1352	7	US-10-437-963-100233	Sequence 100233, A	C 194	14.4	75.8	154746	3	US-09-827-688-8	Sequence 8, Appl1
C 122	14.8	77.9	1400	6	US-10-369-493-45351	Sequence 45351, A	C 195	14.4	75.8	3309400	3	US-09-738-626-1	Sequence 1, Appl1
C 123	14.8	77.9	1509	6	US-10-156-761-6427	Sequence 6427, Ap	C 196	14.2	74.7	25	7	US-10-719-956-14415	Sequence 141415, A
C 124	14.8	77.9	1605	7	US-10-260-238-220	Sequence 220, App	C 197	14.2	74.7	25	8	US-10-719-900-298255	Sequence 298255, A
C 125	14.8	77.9	1792	10	US-11-097-143-7544	Sequence 7544, Ap	C 198	14.2	74.7	25	10	US-11-036-317-263272	Sequence 263272, A
C 126	14.8	77.9	1902	7	US-10-437-963-71851	Sequence 71851, A	C 199	14.2	74.7	25	10	US-11-036-317-312057	Sequence 312057, A
C 127	14.8	77.9	2838	6	US-10-156-761-6936	Sequence 6936, Ap	C 200	14.2	74.7	25	10	US-11-036-317-342057	Sequence 342057, A
C 128	14.8	77.9	2857	9	US-10-450-763-25513	Sequence 25513, A	C 201	14.2	74.7	25	10	US-11-036-317-376403	Sequence 376403, A
C 129	14.8	77.9	3318	9	US-10-450-763-24251	Sequence 24251, A	C 202	14.2	74.7	68	3	US-09-473-872-51	Sequence 51, Appl1
C 130	14.8	77.9	3318	9	US-10-450-763-25514	Sequence 25514, A	C 203	14.2	74.7	183	7	US-10-437-963-43520	Sequence 43520, A
C 131	14.8	77.9	4544	10	US-11-097-143-18271	Sequence 18271, A	C 204	14.2	74.7	225	7	US-10-282-122A-11639	Sequence 11639, A
C 132	14.8	77.9	4781	3	US-09-764-869-1580	Sequence 1580, Ap	C 205	14.2	74.7	228	5	US-09-880-505-86	Sequence 86, Appl1
C 133	14.8	77.9	4781	3	US-09-764-869-1581	Sequence 1581, Ap	C 206	14.2	74.7	228	5	US-10-051-643-86	Sequence 86, Appl1
C 134	14.8	77.9	4781	5	US-10-091-504-1580	Sequence 1580, Ap	C 207	14.2	74.7	245	8	US-10-425-115-151214	Sequence 151214, A
C 135	14.8	77.9	4781	5	US-10-091-504-1581	Sequence 1581, Ap	C 208	14.2	74.7	260	7	US-10-424-599-125624	Sequence 125624, A
C 136	14.8	77.9	4781	6	US-10-227-577-1580	Sequence 1580, Ap	C 209	14.2	74.7	264	8	US-10-282-122A-152028	Sequence 152028, A
C 137	14.8	77.9	4781	6	US-10-227-577-1581	Sequence 1581, Ap	C 210	14.2	74.7	269	8	US-10-425-115-35325	Sequence 35325, A
C 138	14.8	77.9	10718	10	US-11-097-143-18289	Sequence 18289, A	C 211	14.2	74.7	287	7	US-10-437-963-9841	Sequence 9841, Ap
C 139	14.8	77.9	11314	10	US-11-097-143-7553	Sequence 7553, Ap	C 212	14.2	74.7	287	7	US-10-767-701-1964	Sequence 1964, Ap
C 140	14.8	77.9	11314	10	US-09-880-107-2088	Sequence 2088, Ap	C 213	14.2	74.7	304	8	US-10-425-115-128877	Sequence 128877, A
C 141	14.8	77.9	14776	6	US-10-625-899-6	Sequence 6, Appl1	C 214	14.2	74.7	322	7	US-10-425-114-20718	Sequence 20718, A
C 142	14.8	77.9	25801	6	US-10-181-319-13	Sequence 13, Appl1	C 215	14.2	74.7	326	8	US-10-425-115-154177	Sequence 154177, A
C 143	14.8	77.9	41694	8	US-10-719-993-6806	Sequence 6806, Ap	C 216	14.2	74.7	344	7	US-10-437-963-80089	Sequence 80089, A
C 144	14.8	77.9	337032	7	US-10-322-696-52	Sequence 52, Appl1	C 217	14.2	74.7	348	8	US-10-425-115-180440	Sequence 180440, A
C 145	14.4	75.8	328	3	US-09-960-352-10498	Sequence 10498, A	C 218	14.2	74.7	359	7	US-10-437-963-63170	Sequence 63170, A
C 146	14.4	75.8	356	8	US-10-437-963-77131	Sequence 77131, A	C 219	14.2	74.7	375	7	US-10-282-122A-14203	Sequence 14203, A
C 147	14.4	75.8	450	8	US-10-425-115-49785	Sequence 49785, A	C 220	14.2	74.7	380	8	US-10-653-047-1602	Sequence 1602, Ap
C 148	14.4	75.8	577	5	US-09-443-704-37	Sequence 37, Appl1	C 221	14.2	74.7	390	7	US-10-437-963-43470	Sequence 43470, A
C 149	14.4	75.8	577	5	US-10-008-118A-37	Sequence 37, Appl1	C 222	14.2	74.7	399	7	US-10-609-021-223	Sequence 223, App
C 150	14.4	75.8	626	8	US-10-425-115-70358	Sequence 70358, A	C 223	14.2	74.7	399	8	US-10-425-115-2397	Sequence 2397, Ap
C 151	14.4	75.8	643	7	US-10-374-780A-563	Sequence 563, App	C 224	14.2	74.7	399	9	US-10-779-543-15889	Sequence 15889, A
C 152	14.4	75.8	643	7	US-10-412-699B-1056	Sequence 1056, Ap	C 225	14.2	74.7	450	7	US-10-767-701-16294	Sequence 16294, A
C 153	14.4	75.8	717	3	US-09-738-626-704	Sequence 704, App	C 226	14.2	74.7	459	9	US-10-282-122A-30300	Sequence 30300, A
C 154	14.4	75.8	789	7	US-10-627-476-297	Sequence 297, App	C 227	14.2	74.7	471	8	US-10-425-115-12554	Sequence 12554, A
C 155	14.4	75.8	789	7	US-10-627-476-899	Sequence 299, App	C 228	14.2	74.7	482	7	US-10-767-701-18749	Sequence 18749, A
C 156	14.4	75.8	854	7	US-10-767-701-12844	Sequence 12844, A	C 229	14.2	74.7	487	7	US-10-609-021-220	Sequence 220, App
C 157	14.4	75.8	939	5	US-10-121-988-88	Sequence 88, Appl1	C 230	14.2	74.7	487	9	US-10-779-543-15886	Sequence 15886, A
C 158	14.4	75.8	939	6	US-10-200-562-88	Sequence 88, Appl1	C 231	14.2	74.7	499	7	US-10-767-701-21169	Sequence 21169, A
C 159	14.4	75.8	939	6	US-10-237-551-88	Sequence 88, Appl1	C 232	14.2	74.7	503	9	US-10-487-901-2653	Sequence 2653, Ap
C 160	14.4	75.8	939	6	US-10-945-050-88	Sequence 88, Appl1	C 233	14.2	74.7	507	9	US-10-450-763-16711	Sequence 16711, A
C 161	14.4	75.8	1011	7	US-10-669-824-9	Sequence 89, Appl1	C 234	14.2	74.7	511	7	US-10-437-963-92225	Sequence 92225, A
C 162	14.4	75.8	1071	3	US-10-783-710A-5	Sequence 5, Appl1	C 235	14.2	74.7	516	6	US-10-388-934-239	Sequence 239, App
C 163	14.4	75.8	1074	3	US-09-443-704-3	Sequence 3, Appl1	C 236	14.2	74.7	537	7	US-10-424-599-51627	Sequence 51627, A
C 164	14.4	75.8	1074	5	US-10-008-118A-3	Sequence 3, Appl1	C 237	14.2	74.7	534	7	US-10-767-701-30380	Sequence 30380, A
C 165	14.4	75.8	1127	8	US-10-425-115-128690	Sequence 128690	C 238	14.2	74.7	538	6	US-10-029-386-20309	Sequence 20309, A
C 166	14.4	75.8	1157	9	US-10-870-198-82	Sequence 82, Appl1	C 239	14.2	74.7	555	7	US-10-767-701-12862	Sequence 28662, A
C 167	14.4	75.8	1160	9	US-10-870-198-8	Sequence 9, Appl1	C 240	14.2	74.7	557	6	US-10-029-386-9719	Sequence 9719, Ap
C 168	14.4	75.8	1412	7	US-10-437-963-61052	Sequence 61052, A	C 241	14.2	74.7	562	7	US-10-424-599-14061	Sequence 14061, A
C 169	14.4	75.8	1432	8	US-10-425-115-179090	Sequence 179090, A	C 242	14.2	74.7	564	7	US-10-282-122A-23185	Sequence 23185, A

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C 244	14.2	74.7	566	4	US-09-925-065a-748699	Sequence 748699,	C 317	14.2	74.7	1086	7	US-10-627-476-73	Sequence 73, Appl
C 245	14.2	74.7	566	4	US-09-925-065a-748700	Sequence 748700,	C 318	14.2	74.7	1088	7	US-10-450-763-8276	Sequence 8276, Ap
C 246	14.2	74.7	566	4	US-09-925-065a-821660	Sequence 821660,	C 319	14.2	74.7	1131	3	US-09-823-038A-7	Sequence 7, Appl
C 247	14.2	74.7	570	7	US-10-260-238-5432	Sequence 5432, Ap	C 320	14.2	74.7	1134	6	US-10-156-761-4194	Sequence 4194, Ap
C 248	14.2	74.7	570	7	US-10-437-963-61734	Sequence 61734, A	C 321	14.2	74.7	1134	6	US-10-369-493-34224	Sequence 34224, A
C 249	14.2	74.7	572	8	US-10-363-345a-33155	Sequence 33155, A	C 322	14.2	74.7	1148	8	US-10-425-115-24262	Sequence 24262, A
C 250	14.2	74.7	572	8	US-10-363-345a-33156	Sequence 33156, A	C 323	14.2	74.7	1149	8	US-10-425-115-129717	Sequence 129717, A
C 251	14.2	74.7	572	9	US-10-363-483a-33155	Sequence 33155, A	C 324	14.2	74.7	1157	8	US-10-363-345a-30837	Sequence 30837, A
C 252	14.2	74.7	572	9	US-10-363-483a-33156	Sequence 33156, A	C 325	14.2	74.7	1157	8	US-10-363-345a-30838	Sequence 30838, A
C 253	14.2	74.7	577	8	US-10-425-115-136116	Sequence 136116,	C 326	14.2	74.7	1157	9	US-10-363-483a-30837	Sequence 30837, A
C 254	14.2	74.7	594	4	US-09-925-065a-829033	Sequence 829033,	C 327	14.2	74.7	1157	9	US-10-363-483a-30838	Sequence 30838, A
C 255	14.2	74.7	594	10	US-11-097-143-6011	Sequence 6011, Ap	C 328	14.2	74.7	1164	6	US-10-156-761-149	Sequence 149, App
C 256	14.2	74.7	599	9	US-10-972-079-24409	Sequence 24409, A	C 329	14.2	74.7	1171	7	US-10-282-122A-13876	Sequence 13876, A
C 257	14.2	74.7	599	9	US-10-972-079-24410	Sequence 24410, A	C 330	14.2	74.7	1173	6	US-10-369-493-39255	Sequence 39255, A
C 258	14.2	74.7	606	4	US-09-925-065a-285588	Sequence 285588,	C 331	14.2	74.7	1173	6	US-10-369-493-39596	Sequence 39596, A
C 259	14.2	74.7	606	4	US-09-925-065a-285599	Sequence 285599,	C 332	14.2	74.7	1173	6	US-10-369-493-39967	Sequence 39967, A
C 260	14.2	74.7	610	4	US-09-925-065a-931321	Sequence 931321,	C 333	14.2	74.7	1194	7	US-10-437-963-8323	Sequence 8323, Ap
C 261	14.2	74.7	611	4	US-09-925-065a-736598	Sequence 736598,	C 334	14.2	74.7	1194	9	US-10-487-901-2452	Sequence 2452, Ap
C 262	14.2	74.7	611	4	US-09-925-065a-736599	Sequence 736599,	C 335	14.2	74.7	1207	7	US-10-425-114-3895	Sequence 3895, Ap
C 263	14.2	74.7	611	4	US-09-925-065a-736600	Sequence 736600,	C 336	14.2	74.7	1207	8	US-10-425-115-60699	Sequence 60699, A
C 264	14.2	74.7	611	4	US-09-925-065a-814172	Sequence 814172,	C 337	14.2	74.7	1255	10	US-11-097-143-2316	Sequence 2316, Ap
C 265	14.2	74.7	614	4	US-09-925-065a-923274	Sequence 923274,	C 338	14.2	74.7	1262	8	US-10-425-115-168363	Sequence 168363, A
C 266	14.2	74.7	637	4	US-09-925-065a-75381	Sequence 75381, A	C 339	14.2	74.7	1266	6	US-10-156-761-2078	Sequence 2078, Ap
C 267	14.2	74.7	669	8	US-10-363-345a-24377	Sequence 24377, A	C 340	14.2	74.7	1314	10	US-11-097-143-38678	Sequence 38678, A
C 268	14.2	74.7	669	8	US-10-363-345a-24378	Sequence 24378, A	C 341	14.2	74.7	1315	6	US-10-017-161-2259	Sequence 2259, Ap
C 269	14.2	74.7	669	9	US-10-363-483a-24377	Sequence 24377, A	C 342	14.2	74.7	1315	6	US-10-292-798-1905	Sequence 1905, Ap
C 270	14.2	74.7	669	9	US-10-363-483a-24378	Sequence 24378, A	C 343	14.2	74.7	1324	5	US-10-149-813-26	Sequence 26, Appl
C 271	14.2	74.7	693	6	US-10-653-047-5469	Sequence 5469, Ap	C 344	14.2	74.7	1325	10	US-11-097-143-21641	Sequence 21641, A
C 272	14.2	74.7	693	6	US-10-156-761-6442	Sequence 6442, Ap	C 345	14.2	74.7	1326	5	US-10-027-633-124765	Sequence 124765, A
C 273	14.2	74.7	697	8	US-10-363-345a-14503	Sequence 14503, A	C 346	14.2	74.7	1326	6	US-10-027-633-124765	Sequence 124765, A
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C 276	14.2	74.7	697	9	US-10-363-483a-14503	Sequence 14503, A	C 349	14.2	74.7	1367	9	US-10-487-901-7337	Sequence 7337, Ap
C 277	14.2	74.7	697	9	US-10-363-483a-14504	Sequence 14504, A	C 350	14.2	74.7	1371	6	US-10-156-761-1771	Sequence 1771, Ap
C 278	14.2	74.7	729	5	US-10-027-632-18297	Sequence 18297, A	C 351	14.2	74.7	1376	6	US-10-310-154-158	Sequence 158, App
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C 280	14.2	74.7	735	7	US-10-767-701-15294	Sequence 15294, A	C 353	14.2	74.7	1386	7	US-10-437-963-84590	Sequence 84590, A
C 281	14.2	74.7	738	8	US-10-425-115-91188	Sequence 91188, A	C 354	14.2	74.7	1410	7	US-10-282-122A-14341	Sequence 14341, A
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C 283	14.2	74.7	753	6	US-10-084-846a-27	Sequence 27, Appl	C 356	14.2	74.7	1421	7	US-10-425-114-12658	Sequence 12658, A
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C 286	14.2	74.7	759	6	US-10-156-761-3963	Sequence 3963, Ap	C 359	14.2	74.7	1518	3	US-09-880-505-88	Sequence 88, Appl
C 287	14.2	74.7	783	8	US-10-425-115-6840	Sequence 6840, Ap	C 360	14.2	74.7	1518	5	US-10-051-643-88	Sequence 88, Appl
C 288	14.2	74.7	785	8	US-10-739-930-4635	Sequence 4635, Ap	C 361	14.2	74.7	1524	6	US-10-205-973-12	Sequence 12, Appl
C 289	14.2	74.7	786	6	US-10-282-122a-14071	Sequence 14071, A	C 362	14.2	74.7	1524	7	US-10-425-114-364	Sequence 364, Ap
C 290	14.2	74.7	789	6	US-10-369-493-32258	Sequence 32258, A	C 363	14.2	74.7	1530	6	US-10-369-493-27896	Sequence 27896, A
C 291	14.2	74.7	807	7	US-10-437-963-69163	Sequence 69163, A	C 364	14.2	74.7	1531	8	US-10-425-115-36490	Sequence 36490, A
C 292	14.2	74.7	809	8	US-10-425-115-45622	Sequence 45622, A	C 365	14.2	74.7	1540	8	US-10-425-115-16794	Sequence 16794, A
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C 294	14.2	74.7	816	8	US-10-363-345a-38345	Sequence 38345, A	C 367	14.2	74.7	1554	6	US-10-156-761-400	Sequence 400, App
C 295	14.2	74.7	816	8	US-10-363-345a-38346	Sequence 38346, A	C 368	14.2	74.7	1557	7	US-10-437-963-36725	Sequence 36725, A
C 296	14.2	74.7	816	9	US-10-363-483a-38345	Sequence 38345, A	C 369	14.2	74.7	1588	7	US-10-437-963-96761	Sequence 96761, A
C 297	14.2	74.7	816	9	US-10-363-483a-38346	Sequence 38346, A	C 370	14.2	74.7	1659	6	US-10-369-493-24335	Sequence 24335, A
C 298	14.2	74.7	820	8	US-10-425-115-110425	Sequence 110425, A	C 371	14.2	74.7	1681	7	US-10-425-114-22461	Sequence 22461, A
C 299	14.2	74.7	825	7	US-10-767-701-8292	Sequence 8292, Ap	C 372	14.2	74.7	1686	7	US-10-437-963-50173	Sequence 50173, A
C 300	14.2	74.7	829	5	US-10-027-632-10449	Sequence 10449, A	C 373	14.2	74.7	1690	7	US-10-437-963-92675	Sequence 92675, A
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C 303	14.2	74.7	837	8	US-10-282-122a-13452	Sequence 13452, A	C 376	14.2	74.7	1713	8	US-10-425-115-60696	Sequence 60696, A
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C 305	14.2	74.7	923	5	US-10-106-698-467	Sequence 467, App	C 378	14.2	74.7	1770	8	US-10-425-115-28124	Sequence 28124, A
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C 307	14.2	74.7	942	6	US-10-156-761-2483	Sequence 2483, Ap	C 380	14.2	74.7	1797	6	US-10-369-493-31428	Sequence 31428, A
C 308	14.2	74.7	963	3	US-09-738-626-1840	Sequence 1840, Ap	C 381	14.2	74.7	1848	7	US-10-437-963-85631	Sequence 85631, A
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C 310	14.2	74.7	985	8	US-10-425-115-2727	Sequence 2727, Ap	C 383	14.2	74.7	1861	10	US-11-097-143-21638	Sequence 21638, A
C 311	14.2	74.7	1001	7	US-10-767-701-60	Sequence 60, Appl	C 384	14.2	74.7	1866	7	US-10-437-963-12683	Sequence 12683, A
C 312	14.2	74.7	1008	6	US-10-369-493-34413	Sequence 34413, A	C 385	14.2	74.7	1871	8	US-10-425-115-100379	Sequence 100379, A
C 313	14.2	74.7	1017	7	US-10-282-122a-14117	Sequence 14117, A	C 386	14.2	74.7	1876	8	US-10-723-860-5508	Sequence 5508, Ap
C 314	14.2	74.7	1029	7	US-10-282-122a-11583	Sequence 11583, A	C 387	14.2	74.7	1925	7	US-10-425-114-31448	Sequence 31448, A
C 315	14.2	74.7	1057	7	US-10-627-476-75	Sequence 75, Appl	C 388	14.2	74.7	1926	6	US-10-156-761-4861	Sequence 4861, Ap

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C 390	14.2	74.7	1965	7	US-10-362-537-2	Sequence 2, App11	C 463	14.2	74.7	2749	3	US-09-992-598-516	Sequence 516, App
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C 392	14.2	74.7	2000	7	US-10-477-369-46	Sequence 46, App1	C 465	14.2	74.7	2749	3	US-09-989-293A-516	Sequence 516, App
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C 394	14.2	74.7	2037	8	US-10-425-115-26989	Sequence 26989, A	C 467	14.2	74.7	2749	3	US-09-999-832A-215	Sequence 215, App
C 395	14.2	74.7	2067	7	US-10-172-118-1056	Sequence 1056, App	C 468	14.2	74.7	2749	3	US-09-989-735-516	Sequence 516, App
C 396	14.2	74.7	2067	7	US-10-342-887-1056	Sequence 1056, App	C 469	14.2	74.7	2749	3	US-09-990-444-516	Sequence 516, App
C 397	14.2	74.7	2067	8	US-10-723-860-1362	Sequence 1362, App	C 470	14.2	74.7	2749	3	US-09-991-181-516	Sequence 516, App
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C 400	14.2	74.7	2099	3	US-09-735-705-158	Sequence 158, App	C 473	14.2	74.7	2749	3	US-09-993-687-516	Sequence 516, App
C 401	14.2	74.7	2099	3	US-09-850-716A-158	Sequence 158, App	C 474	14.2	74.7	2749	3	US-09-989-734-516	Sequence 516, App
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C 409	14.2	74.7	2103	8	US-10-425-115-17617	Sequence 17617, A	C 482	14.2	74.7	2749	3	US-09-997-666-516	Sequence 516, App
C 410	14.2	74.7	2151	8	US-10-425-115-167861	Sequence 167861, A	C 483	14.2	74.7	2749	3	US-09-990-436-516	Sequence 516, App
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C 441	14.2	74.7	2636	5	US-10-050-704-80	Sequence 80, App1	C 514	14.2	74.7	2749	3	US-09-999-834A-215	Sequence 215, App
C 442	14.2	74.7	2636	5	US-10-050-704-81	Sequence 81, App1	C 515	14.2	74.7	2749	3	US-09-993-469-516	Sequence 516, App
C 443	14.2	74.7	2636	7	US-10-798-512-80	Sequence 81, App1	C 516	14.2	74.7	2749	3	US-09-997-542-516	Sequence 516, App
C 444	14.2	74.7	2636	7	US-10-798-512-81	Sequence 81, App1	C 517	14.2	74.7	2749	3	US-09-978-423A-215	Sequence 215, App
C 445	14.2	74.7	2636	8	US-10-919-272-39	Sequence 39, App1	C 518	14.2	74.7	2749	3	US-09-993-748-516	Sequence 516, App
C 446	14.2	74.7	2636	8	US-10-919-272-40	Sequence 40, App1	C 519	14.2	74.7	2749	3	US-09-990-439-516	Sequence 516, App
C 447	14.2	74.7	2697	7	US-10-437-963-48159	Sequence 48159, A	C 520	14.2	74.7	2749	3	US-09-978-193A-215	Sequence 215, App
C 448	14.2	74.7	2699	10	US-11-097-143-17111	Sequence 17111, A	C 521	14.2	74.7	2749	3	US-09-990-427-516	Sequence 516, App
C 449	14.2	74.7	2723	8	US-10-723-860-5836	Sequence 5836, App	C 522	14.2	74.7	2749	3	US-09-989-328-516	Sequence 516, App
C 450	14.2	74.7	2749	3	US-09-989-722-516	Sequence 516, App	C 523	14.2	74.7	2749	3	US-09-993-583-516	Sequence 516, App
C 451	14.2	74.7	2749	3	US-09-989-723-516	Sequence 516, App	C 524	14.2	74.7	2749	3	US-09-999-830A-215	Sequence 215, App
C 452	14.2	74.7	2749	3	US-09-989-279-516	Sequence 516, App	C 525	14.2	74.7	2749	3	US-09-941-992-516	Sequence 516, App
C 453	14.2	74.7	2749	3	US-09-989-727-516	Sequence 516, App	C 526	14.2	74.7	2749	3	US-09-978-757A-215	Sequence 215, App
C 454	14.2	74.7	2749	3	US-09-989-731-516	Sequence 516, App	C 527	14.2	74.7	2749	3	US-09-992-521-516	Sequence 516, App
C 455	14.2	74.7	2749	3	US-09-989-732-516	Sequence 516, App	C 528	14.2	74.7	2749	3	US-09-997-333-516	Sequence 516, App
C 456	14.2	74.7	2749	3	US-09-991-073-516	Sequence 516, App	C 529	14.2	74.7	2749	3	US-09-997-384-516	Sequence 516, App
C 457	14.2	74.7	2749	3	US-09-990-442-516	Sequence 516, App	C 530	14.2	74.7	2749	3	US-09-978-187B-215	Sequence 215, App
C 458	14.2	74.7	2749	3	US-09-991-163-516	Sequence 516, App	C 531	14.2	74.7	2749	3	US-09-978-643A-215	Sequence 215, App
C 459	14.2	74.7	2749	3	US-09-993-604-516	Sequence 516, App	C 532	14.2	74.7	2749	3	US-09-998-041-516	Sequence 516, App
C 460	14.2	74.7	2749	3	US-09-990-456-516	Sequence 516, App	C 533	14.2	74.7	2749	3	US-09-997-585-516	Sequence 516, App
C 461	14.2	74.7	2749	3	US-09-989-721-516	Sequence 516, App	C 534	14.2	74.7	2749	3	US-09-997-614-516	Sequence 516, App

C 535	14.2	74.7	2749	3	US-09-978-375A-215	Sequence 215, App	C 608	14.2	74.7	2749	5	US-10-147-527-385	Sequence 385, App
C 536	14.2	74.7	2749	3	US-09-989-862-516	Sequence 516, App	C 609	14.2	74.7	2749	5	US-10-121-041-385	Sequence 385, App
C 537	14.2	74.7	2749	3	US-09-997-529-516	Sequence 516, App	C 610	14.2	74.7	2749	5	US-10-121-043-385	Sequence 385, App
C 538	14.2	74.7	2749	3	US-09-978-298A-215	Sequence 215, App	C 611	14.2	74.7	2749	5	US-10-121-047-385	Sequence 385, App
C 539	14.2	74.7	2749	3	US-09-978-188A-215	Sequence 215, App	C 612	14.2	74.7	2749	5	US-10-123-215-385	Sequence 385, App
C 540	14.2	74.7	2749	3	US-09-989-725-516	Sequence 516, App	C 613	14.2	74.7	2749	5	US-10-123-902A-385	Sequence 385, App
C 541	14.2	74.7	2749	3	US-09-991-150-516	Sequence 516, App	C 614	14.2	74.7	2749	5	US-10-123-908-385	Sequence 385, App
C 542	14.2	74.7	2749	3	US-09-978-681A-215	Sequence 215, App	C 615	14.2	74.7	2749	5	US-10-123-909-385	Sequence 385, App
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C 545	14.2	74.7	2749	3	US-09-978-299A-215	Sequence 215, App	C 618	14.2	74.7	2749	5	US-10-124-817-385	Sequence 385, App
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C 550	14.2	74.7	2749	3	US-09-989-733-516	Sequence 516, App	C 623	14.2	74.7	2749	5	US-10-147-519-385	Sequence 385, App
C 551	14.2	74.7	2749	3	US-09-992-643-516	Sequence 516, App	C 624	14.2	74.7	2749	5	US-10-157-782-385	Sequence 385, App
C 552	14.2	74.7	2749	3	US-09-999-831A-215	Sequence 215, App	C 625	14.2	74.7	2749	5	US-10-152-395-385	Sequence 385, App
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C 554	14.2	74.7	2749	3	US-10-028-072-385	Sequence 385, App	C 627	14.2	74.7	2749	5	US-10-125-930A-385	Sequence 385, App
C 555	14.2	74.7	2749	5	US-10-140-808-385	Sequence 385, App	C 628	14.2	74.7	2749	5	US-10-127-831A-385	Sequence 385, App
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C 557	14.2	74.7	2749	5	US-10-123-904-385	Sequence 385, App	C 630	14.2	74.7	2749	5	US-10-127-838B-385	Sequence 385, App
C 558	14.2	74.7	2749	5	US-10-140-470-385	Sequence 385, App	C 631	14.2	74.7	2749	5	US-10-127-842A-385	Sequence 385, App
C 559	14.2	74.7	2749	5	US-10-175-746-385	Sequence 385, App	C 632	14.2	74.7	2749	5	US-10-127-843A-385	Sequence 385, App
C 560	14.2	74.7	2749	5	US-10-176-921-385	Sequence 385, App	C 633	14.2	74.7	2749	5	US-10-127-845A-385	Sequence 385, App
C 561	14.2	74.7	2749	5	US-10-176-921-385	Sequence 385, App	C 634	14.2	74.7	2749	5	US-10-127-846B-385	Sequence 385, App
C 562	14.2	74.7	2749	5	US-10-137-865-385	Sequence 385, App	C 635	14.2	74.7	2749	5	US-10-127-848A-385	Sequence 385, App
C 563	14.2	74.7	2749	5	US-10-140-474-385	Sequence 385, App	C 636	14.2	74.7	2749	5	US-10-127-849A-385	Sequence 385, App
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C 565	14.2	74.7	2749	5	US-10-143-114-385	Sequence 385, App	C 638	14.2	74.7	2749	5	US-10-127-851A-385	Sequence 385, App
C 566	14.2	74.7	2749	5	US-10-142-419-385	Sequence 385, App	C 639	14.2	74.7	2749	5	US-10-128-684A-385	Sequence 385, App
C 567	14.2	74.7	2749	5	US-10-147-749-215	Sequence 215, App	C 640	14.2	74.7	2749	5	US-10-128-686B-385	Sequence 385, App
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C 569	14.2	74.7	2749	5	US-10-142-423-385	Sequence 385, App	C 642	14.2	74.7	2749	5	US-10-128-691A-385	Sequence 385, App
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C 575	14.2	74.7	2749	5	US-10-123-108-385	Sequence 385, App	C 648	14.2	74.7	2749	5	US-10-147-484-385	Sequence 385, App
C 576	14.2	74.7	2749	5	US-10-123-236-385	Sequence 385, App	C 649	14.2	74.7	2749	5	US-10-147-508-385	Sequence 385, App
C 577	14.2	74.7	2749	5	US-10-123-261-385	Sequence 385, App	C 650	14.2	74.7	2749	5	US-10-147-512-385	Sequence 385, App
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C 579	14.2	74.7	2749	5	US-10-140-928-385	Sequence 385, App	C 652	14.2	74.7	2749	5	US-10-121-040-385	Sequence 385, App
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C 581	14.2	74.7	2749	5	US-10-016-177A-215	Sequence 215, App	C 654	14.2	74.7	2749	5	US-10-121-061-385	Sequence 385, App
C 582	14.2	74.7	2749	5	US-10-121-045-385	Sequence 385, App	C 655	14.2	74.7	2749	5	US-10-123-235-385	Sequence 385, App
C 583	14.2	74.7	2749	5	US-10-123-292-385	Sequence 385, App	C 656	14.2	74.7	2749	5	US-10-124-818-385	Sequence 385, App
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C 585	14.2	74.7	2749	5	US-10-124-819-385	Sequence 385, App	C 658	14.2	74.7	2749	5	US-10-147-492-385	Sequence 385, App
C 586	14.2	74.7	2749	5	US-10-124-822-385	Sequence 385, App	C 659	14.2	74.7	2749	5	US-10-158-782-385	Sequence 385, App
C 587	14.2	74.7	2749	5	US-10-140-925-385	Sequence 385, App	C 660	14.2	74.7	2749	5	US-10-123-905-385	Sequence 385, App
C 588	14.2	74.7	2749	5	US-10-160-498-385	Sequence 385, App	C 661	14.2	74.7	2749	5	US-10-123-907-385	Sequence 385, App
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C 590	14.2	74.7	2749	5	US-10-127-825A-385	Sequence 385, App	C 663	14.2	74.7	2749	5	US-10-125-921A-385	Sequence 385, App
C 591	14.2	74.7	2749	5	US-10-127-829A-385	Sequence 385, App	C 664	14.2	74.7	2749	5	US-10-127-821A-385	Sequence 385, App
C 592	14.2	74.7	2749	5	US-10-127-835A-385	Sequence 385, App	C 665	14.2	74.7	2749	5	US-10-127-822A-385	Sequence 385, App
C 593	14.2	74.7	2749	5	US-10-127-839A-385	Sequence 385, App	C 666	14.2	74.7	2749	5	US-10-127-824A-385	Sequence 385, App
C 594	14.2	74.7	2749	5	US-10-128-693A-385	Sequence 385, App	C 667	14.2	74.7	2749	5	US-10-127-826A-385	Sequence 385, App
C 595	14.2	74.7	2749	5	US-10-128-693A-385	Sequence 385, App	C 668	14.2	74.7	2749	5	US-10-127-827A-385	Sequence 385, App
C 596	14.2	74.7	2749	5	US-10-131-813A-385	Sequence 385, App	C 669	14.2	74.7	2749	5	US-10-127-828A-385	Sequence 385, App
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C 598	14.2	74.7	2749	5	US-10-131-823A-385	Sequence 385, App	C 671	14.2	74.7	2749	5	US-10-127-832A-385	Sequence 385, App
C 599	14.2	74.7	2749	5	US-10-131-824A-385	Sequence 385, App	C 672	14.2	74.7	2749	5	US-10-127-833A-385	Sequence 385, App
C 600	14.2	74.7	2749	5	US-10-131-830A-385	Sequence 385, App	C 673	14.2	74.7	2749	5	US-10-127-834A-385	Sequence 385, App
C 601	14.2	74.7	2749	5	US-10-131-837A-385	Sequence 385, App	C 674	14.2	74.7	2749	5	US-10-127-836A-385	Sequence 385, App
C 602	14.2	74.7	2749	5	US-10-137-872A-385	Sequence 385, App	C 675	14.2	74.7	2749	5	US-10-127-837A-385	Sequence 385, App
C 603	14.2	74.7	2749	5	US-10-147-500-385	Sequence 385, App	C 676	14.2	74.7	2749	5	US-10-127-841A-385	Sequence 385, App
C 604	14.2	74.7	2749	5	US-10-147-502-385	Sequence 385, App	C 677	14.2	74.7	2749	5	US-10-127-844A-385	Sequence 385, App
C 605	14.2	74.7	2749	5	US-10-147-515-385	Sequence 385, App	C 678	14.2	74.7	2749	5	US-10-128-687A-385	Sequence 385, App
C 606	14.2	74.7	2749	5	US-10-147-517-385	Sequence 385, App	C 679	14.2	74.7	2749	5	US-10-128-688A-385	Sequence 385, App
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C 690	14.2	74.7	2749	5	US-10-137-864A-385	Sequence 385, App	C 763	14.2	74.7	2749	6	US-10-140-862-385	Sequence 385, App
C 691	14.2	74.7	2749	5	US-10-137-869A-385	Sequence 385, App	C 764	14.2	74.7	2749	6	US-10-141-697-385	Sequence 385, App
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C 710	14.2	74.7	2749	6	US-10-146-727-385	Sequence 385, App	C 783	14.2	74.7	2749	6	US-10-143-034-385	Sequence 385, App
C 711	14.2	74.7	2749	6	US-10-146-788-385	Sequence 385, App	C 784	14.2	74.7	2749	6	US-10-143-116-385	Sequence 385, App
C 712	14.2	74.7	2749	6	US-10-152-380-385	Sequence 385, App	C 785	14.2	74.7	2749	6	US-10-143-117-385	Sequence 385, App
C 713	14.2	74.7	2749	6	US-10-153-934-385	Sequence 385, App	C 786	14.2	74.7	2749	6	US-10-144-957-385	Sequence 385, App
C 714	14.2	74.7	2749	6	US-10-140-807-385	Sequence 385, App	C 787	14.2	74.7	2749	6	US-10-144-992-385	Sequence 385, App
C 715	14.2	74.7	2749	6	US-10-140-924-385	Sequence 385, App	C 788	14.2	74.7	2749	6	US-10-145-015-385	Sequence 385, App
C 716	14.2	74.7	2749	6	US-10-140-926-385	Sequence 385, App	C 789	14.2	74.7	2749	6	US-10-145-099-385	Sequence 385, App
C 717	14.2	74.7	2749	6	US-10-141-698-385	Sequence 385, App	C 790	14.2	74.7	2749	6	US-10-145-091-385	Sequence 385, App
C 718	14.2	74.7	2749	6	US-10-141-702-385	Sequence 385, App	C 791	14.2	74.7	2749	6	US-10-145-128A-215	Sequence 215, App
C 719	14.2	74.7	2749	6	US-10-141-704-385	Sequence 385, App	C 792	14.2	74.7	2749	6	US-10-145-630-385	Sequence 385, App
C 720	14.2	74.7	2749	6	US-10-142-421-385	Sequence 385, App	C 793	14.2	74.7	2749	6	US-10-145-630-385	Sequence 385, App
C 721	14.2	74.7	2749	6	US-10-142-432-385	Sequence 385, App	C 794	14.2	74.7	2749	6	US-10-145-747-385	Sequence 385, App
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C 727	14.2	74.7	2749	6	US-10-145-748-385	Sequence 385, App	C 800	14.2	74.7	2749	6	US-10-145-827-385	Sequence 385, App
C 728	14.2	74.7	2749	6	US-10-145-823-385	Sequence 385, App	C 801	14.2	74.7	2749	6	US-10-145-873-385	Sequence 385, App
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C 732	14.2	74.7	2749	6	US-10-145-959-385	Sequence 385, App	C 805	14.2	74.7	2749	6	US-10-147-522-385	Sequence 385, App
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C 837	14.2	74.7	2749	6	US-10-160-504-385	Sequence 385, App	C 910	14.2	74.7	2749	6	US-10-152-391-385	Sequence 385, App
C 838	14.2	74.7	2749	6	US-10-017-191A-215	Sequence 215, App	C 911	14.2	74.7	2749	6	US-10-152-399-385	Sequence 385, App
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C 841	14.2	74.7	2749	6	US-10-157-781-385	Sequence 385, App	C 914	14.2	74.7	2749	6	US-10-157-794-385	Sequence 385, App
C 842	14.2	74.7	2749	6	US-10-176-989-385	Sequence 385, App	C 915	14.2	74.7	2749	6	US-10-157-796-385	Sequence 385, App
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C 847	14.2	74.7	2749	6	US-10-152-384-385	Sequence 385, App	C 920	14.2	74.7	2749	6	US-10-123-156-385	Sequence 385, App
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C 850	14.2	74.7	2749	6	US-10-152-390-385	Sequence 385, App	C 923	14.2	74.7	2749	6	US-10-013-922A-215	Sequence 215, App
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C 874	14.2	74.7	2749	6	US-10-165-067A-215	Sequence 215, App	C 947	14.2	74.7	2749	6	US-10-124-911-385	Sequence 385, App
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C 877	14.2	74.7	2749	6	US-10-152-373-385	Sequence 385, App	C 950	14.2	74.7	2749	6	US-10-125-932-385	Sequence 385, App
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C 990 14.2 74.7 2749 6 US-10-144-958-385 Sequence 385, App
C 991 14.2 74.7 2749 6 US-10-145-632-385 Sequence 385, App
C 992 14.2 74.7 2749 6 US-10-145-749-385 Sequence 385, App
C 993 14.2 74.7 2749 6 US-10-145-753-385 Sequence 385, App
C 994 14.2 74.7 2749 6 US-10-145-871-385 Sequence 385, App
C 995 14.2 74.7 2749 6 US-10-145-878-385 Sequence 385, App
C 996 14.2 74.7 2749 6 US-10-146-794-385 Sequence 385, App
C 997 14.2 74.7 2749 6 US-10-147-489-385 Sequence 385, App
C 998 14.2 74.7 2749 6 US-10-147-507-385 Sequence 385, App
C 999 14.2 74.7 2749 6 US-10-147-535-385 Sequence 385, App
C1000 14.2 74.7 2749 6 US-10-147-537-385 Sequence 385, App
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ALIGNMENTS

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RESULT 1
US-10-086-206-4
; Sequence 4, Application US/10086206
; Publication NO. US2003012454A1
; GENERAL INFORMATION:
; APPLICANT: Magdalena, J
; APPLICANT: Supply, P
; APPLICANT: Loch, C
; TITLE OF INVENTION: M. TUBERCULOSIS COMPLEX MEMBERS MYCOBACTERIA SPECIFIC
; TITLE OF INVENTION: NUCLEIC ACID FRAGMENTS AND THEIR APPLICATIONS FOR THE
; TITLE OF INVENTION: DETECTION AND DIFFERENTIAL DIAGNOSIS OF M. TUBERCULOSIS
; FILE REFERENCE: 408.014
; CURRENT APPLICATION NUMBER: US/10/086,206
; CURRENT FILING DATE: 2002-02-28
; PRIOR APPLICATION NUMBER: PCT/FR97/01483
; PRIOR FILING DATE: 1997-08-12
; PRIOR APPLICATION NUMBER: FR 96/10277
; PRIOR FILING DATE: 1996-08-19
; NUMBER OF SEQ ID NOS: 11
; SOFTWARE: Patent Ver. 2.1
; SEQ ID NO 4
; LENGTH: 19
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
US-10-086-206-4
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Query Match 100.0%; Score 19; DB 6; Length 19;
Best Local Similarity 100.0%; Pred. No. 15;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Db 1 GCGGAGAGCCCGAAGTGC 19
1 GCGGAGAGCCCGAAGTGC 19
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```
RESULT 2
US-10-282-122A-26407
; Sequence 26407, Application US/10282122A
; Publication No. US20040029129A1
```

```
; GENERAL INFORMATION:
; APPLICANT: Wang, Liangou
; APPLICANT: Zamudio, Carlos
; APPLICANT: Malone, Cheryl
; APPLICANT: Haselbeck, Robert
; APPLICANT: Ohlsen, Kari
; APPLICANT: Zyskind, Judith
; APPLICANT: Wall, Daniel
; APPLICANT: Trawick, John
; APPLICANT: Carr, Grant
; APPLICANT: Yamamoto, Robert
; APPLICANT: Forsyth, R.
; APPLICANT: Xu, H.
; TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
; FILE REFERENCE: ELITRA, 034A
; CURRENT APPLICATION NUMBER: US/10/282,122A
; CURRENT FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: 60/191,078
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/206,848
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/207,727
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/230,347
; PRIOR FILING DATE: 2000-09-09
; PRIOR APPLICATION NUMBER: 60/242,578
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/253,625
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/257,931
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/267,636
; PRIOR FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/269,308
; PRIOR FILING DATE: 2001-02-16
; REMAINING PRIOR APPLICATION DATA REMOVED - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 78614
; SOFTWARE: Patent version 3.1
; SEQ ID NO 26407
; LENGTH: 1230
; TYPE: DNA
; ORGANISM: Mycobacterium bovis
US-10-282-122A-26407
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Query Match 100.0%; Score 19; DB 7; Length 1230;
Best Local Similarity 100.0%; Pred. No. 7.5;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Db 1 GCGGAGAGCCCGAAGTGC 19
1174 GCGGAGAGCCCGAAGTGC 1192
```

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RESULT 3
US-09-712-363-27
; Sequence 27, Application US/09712363
; Patent No. US20020164588A1
; GENERAL INFORMATION:
; APPLICANT: Eisenberg, David
; APPLICANT: Rotstein, Sergio H.
; APPLICANT: Marcotte, Edward M.
; TITLE OF INVENTION: DETERMINING THE FUNCTIONS AND
; TITLE OF INVENTION: INTERACTIONS OF PROTEINS BY COMPARATIVE ANALYSIS
; FILE REFERENCE: 07419-032001
; CURRENT APPLICATION NUMBER: US/09/712,363
; CURRENT FILING DATE: 2000-11-13
; PRIOR APPLICATION NUMBER: PCT/US00/02246
; PRIOR FILING DATE: 2000-01-28
; PRIOR APPLICATION NUMBER: 60/179,531
; PRIOR FILING DATE: 2000-02-01
; PRIOR APPLICATION NUMBER: 60/117,844
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; PRIOR FILING DATE: 1999-01-29
; PRIOR APPLICATION NUMBER: 60/118,206,
; PRIOR FILING DATE: 1999-02-01
; PRIOR APPLICATION NUMBER: 60/126,593
; PRIOR FILING DATE: 1999-03-26
; PRIOR APPLICATION NUMBER: 60/134,093
; PRIOR FILING DATE: 1999-05-14
; PRIOR APPLICATION NUMBER: 60/134,092
; PRIOR FILING DATE: 1999-05-14
; PRIOR APPLICATION NUMBER: 60/165,124
; PRIOR FILING DATE: 1999-11-12
; PRIOR APPLICATION NUMBER: 60/165,086
; PRIOR FILING DATE: 1999-11-12
; NUMBER OF SEQ ID NOS: 292
; SOFTWARE: FaastSeq for Windows Version 4.0
; SEQ ID NO 27
; LENGTH: 1233
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
US-09-712-363-27

Query Match          100.0%; Score 19; DB 3; Length 1233;
Best Local Similarity 100.0%; Pred. No. 7.5;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 GGGCGAGAGCCGGAAGTGC 19
DB      1174 GCGCGAGAGCCGGAAGTGC 1192

RESULT 4
US-10-282-122a-28204
; Sequence 28204, Application US/10282122A
; Publication No. US20040029129A1
; GENERAL INFORMATION:
; APPLICANT: Wang, Liangsu
; APPLICANT: Zamudio, Carlos
; APPLICANT: Malone, Cheryl
; APPLICANT: Haselbeck, Robert
; APPLICANT: Ohlsen, Karl
; APPLICANT: Zyskind, Judith
; APPLICANT: Wall, Daniel
; APPLICANT: Trawick, John
; APPLICANT: Carr, Grant
; APPLICANT: Yamamoto, Robert
; APPLICANT: Forsyth, R.
; APPLICANT: Xu, H.
; TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
; FILE REFERENCE: ELITRA.034A
; CURRENT APPLICATION NUMBER: US/10/282,122A
; PRIOR FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: 60/191,078
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/206,848
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/207,727
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/230,335
; PRIOR FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: 60/230,347
; PRIOR FILING DATE: 2000-09-09
; PRIOR APPLICATION NUMBER: 60/242,578
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/253,625
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/257,931
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/267,636
; PRIOR FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/269,308
; PRIOR FILING DATE: 2001-02-16
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 78614
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; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 28204
; LENGTH: 1233
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
US-10-282-122a-28204

Query Match          100.0%; Score 19; DB 7; Length 1233;
Best Local Similarity 100.0%; Pred. No. 7.5;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 GGGCGAGAGCCGGAAGTGC 19
DB      1174 GCGCGAGAGCCGGAAGTGC 1192

RESULT 5
US-10-080-170-648
; Sequence 648, Application US/10080170
; Publication No. US20030129601A1
; GENERAL INFORMATION:
; APPLICANT: COLE, S.T.
; TITLE OF INVENTION: COMPARATIVE MYCOBACTERIAL GENOMICS AS A TOOL FOR
; TITLE OF INVENTION: IDENTIFYING TARGETS FOR THE DIAGNOSIS, PROPHYLAXIS OR
; TITLE OF INVENTION: TREATMENT OF MYCOBACTERIOSES
; FILE REFERENCE: 03495.0218
; CURRENT APPLICATION NUMBER: US/10/080,170
; CURRENT FILING DATE: 2002-06-10
; PRIOR APPLICATION NUMBER: 60/270,123
; PRIOR FILING DATE: 2001-02-22
; NUMBER OF SEQ ID NOS: 652
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 648
; LENGTH: 86114
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
US-10-080-170-648

Query Match          100.0%; Score 19; DB 6; Length 86114;
Best Local Similarity 100.0%; Pred. No. 3.7;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 GGGCGAGAGCCGGAAGTGC 19
DB      67119 GCGCGAGAGCCGGAAGTGC 67137

RESULT 6
US-10-080-170-648
; Sequence 648, Application US/10080170
; Publication No. US20040121322A8
; GENERAL INFORMATION:
; APPLICANT: COLE, S.T.
; TITLE OF INVENTION: COMPARATIVE MYCOBACTERIAL GENOMICS AS A TOOL FOR
; TITLE OF INVENTION: IDENTIFYING TARGETS FOR THE DIAGNOSIS, PROPHYLAXIS OR
; TITLE OF INVENTION: TREATMENT OF MYCOBACTERIOSES
; FILE REFERENCE: 03495.0218
; CURRENT APPLICATION NUMBER: US/10/080,170
; CURRENT FILING DATE: 2002-06-10
; PRIOR APPLICATION NUMBER: 60/270,123
; PRIOR FILING DATE: 2001-02-22
; NUMBER OF SEQ ID NOS: 652
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 648
; LENGTH: 86114
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
US-10-080-170-648

Query Match          100.0%; Score 19; DB 7; Length 86114;
Best Local Similarity 100.0%; Pred. No. 3.7;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY 1 GCGCGAGAGCCGACTGC 19
Db 67119 GCGCGAGAGCCGACTGC 67137

RESULT 7

US-10-468-356-648
; Sequence 648, Application US/10468356
; Publication No. US20040197896A1
; GENERAL INFORMATION:
; APPLICANT: COLE, STEWART
; TITLE OF INVENTION: COMPARATIVE MYCOBACTERIAL GENOMICS AS A TOOL FOR
; TITLE OF INVENTION: IDENTIFYING TARGETS FOR THE DIAGNOSIS, PROPHYLAXIS OR
; TITLE OF INVENTION: TREATMENT OF MYCOBACTERIOSES
; FILE REFERENCE: 05394.0019
; CURRENT APPLICATION NUMBER: US/10/468,356
; CURRENT FILING DATE: 2003-08-19
; PRIOR APPLICATION NUMBER: 10/080,170
; PRIOR FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/270,123
; PRIOR FILING DATE: 2001-02-22
; NUMBER OF SEQ ID NOS: 655
; SOFTWARE: PatentIn Ver. 3.2
; SEQ ID NO 648
; LENGTH: 86114
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
US-10-468-356-648

Query Match 100.0%; Score 19; DB 8; Length 86114;
Best Local Similarity 100.0%; Pred. No. 3.7;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GCGCGAGAGCCGACTGC 19
Db 67119 GCGCGAGAGCCGACTGC 67137

RESULT 8

US-10-282-122A-13734
; Sequence 13734, Application US/10282122A
; Publication No. US20040029129A1
; GENERAL INFORMATION:
; APPLICANT: Wang, Liangsu
; APPLICANT: Zamudio, Carlos
; APPLICANT: Malone, Cheryl
; APPLICANT: Haselbeck, Robert
; APPLICANT: Ohlsen, Karl
; APPLICANT: Zyckind, Judith
; APPLICANT: Wall, Daniel
; APPLICANT: Trawick, John
; APPLICANT: Carr, Grant
; APPLICANT: Yamamoto, Robert
; APPLICANT: Forsyth, R.
; APPLICANT: Xu, H.
; TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
; FILE REFERENCE: ELITRA.034A
; CURRENT APPLICATION NUMBER: US/10/282,122A
; CURRENT FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: 60/191,078
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/206,848
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/207,727
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/230,335
; PRIOR FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: 60/230,347
; PRIOR FILING DATE: 2000-09-09
; PRIOR APPLICATION NUMBER: 60/242,578
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/253,625
; PRIOR FILING DATE: 2000-11-27

; PRIOR APPLICATION NUMBER: 60/257,931
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/267,636
; PRIOR FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/269,308
; PRIOR FILING DATE: 2001-02-16
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 78614
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 13734
; LENGTH: 612
; TYPE: DNA
; ORGANISM: Burkholderia fungorum
US-10-282-122A-13734

Query Match 91.6%; Score 17.4; DB 7; Length 612;
Best Local Similarity 94.7%; Pred. No. 52;
Matches 18; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 GCGCGAGAGCCGACTGC 19
Db 204 GCGCGAGAGCCGACTGC 222

RESULT 9

US-10-369-493-31424
; Sequence 31424, Application US/10369493
; Publication No. US20030233675A1
; GENERAL INFORMATION:
; APPLICANT: Cao, Yongwei
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Goldman, Barry S.
; APPLICANT: Chen, Xianfeng
; TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF
; TITLE OF INVENTION: PLANTS WITH IMPROVED PROPERTIES
; FILE REFERENCE: 38-10(52052)B
; CURRENT APPLICATION NUMBER: US/10/369,493
; CURRENT FILING DATE: 2003-02-28
; PRIOR APPLICATION NUMBER: US 60/360,039
; PRIOR FILING DATE: 2002-02-21
; NUMBER OF SEQ ID NOS: 47374
; SEQ ID NO 31424
; LENGTH: 1437
; TYPE: DNA
; ORGANISM: Rhodobacter sphaeroides
US-10-369-493-31424

Query Match 91.6%; Score 17.4; DB 6; Length 1437;
Best Local Similarity 94.7%; Pred. No. 45;
Matches 18; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 GCGCGAGAGCCGACTGC 19
Db 1410 GCGCGAGAGCCGACTGC 1428

RESULT 10

US-09-934-289A-11
; Sequence 11, Application US/09934289A
; Patent No. US20020132297A1
; GENERAL INFORMATION:
; APPLICANT: Busfield, Samantha J.
; TITLE OF INVENTION: NOVEL MOLECULES OF THE
; TITLE OF INVENTION: HERPESVIRUS-ENTRY-MEDIATOR-RELATED
; TITLE OF INVENTION: PROTEIN FAMILY AND USES THEREOF
; FILE REFERENCE: MB1098-061C1CN1(M)
; CURRENT APPLICATION NUMBER: US/09/934,289A
; CURRENT FILING DATE: 2001-08-21
; PRIOR APPLICATION NUMBER: US 09/342,767
; PRIOR FILING DATE: 1999-06-29
; PRIOR APPLICATION NUMBER: US 09/146,950
; PRIOR FILING DATE: 1998-09-03

; NUMBER OF SEQ ID NOS: 58
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO: 11
; LENGTH: 126
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)...(126)
US-09-934-289A-11

Query Match 83.2%; Score 15.8; DB 3; Length 126;
Best Local Similarity 89.5%; Pred. No. 4.2e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GCGCGAGACCCGGAAGTGC 19
DB 84 GCGCGAGACCCGGAAGTGC 102

RESULT 11
US-09-934-289A-27

; Sequence 27, Application US/09934289A
; Patent No. US20020132297A1
; GENERAL INFORMATION:
; APPLICANT: Busfield, Samantha J.
; TITLE OF INVENTION: NOVEL MOLECULES OF THE
; TITLE OF INVENTION: HERPESVIRUS-ENTRY-MEDIATOR-RELATED
; FILE REFERENCE: MB1098-061CPICN1(M)
; CURRENT APPLICATION NUMBER: US/09/934,289A
; CURRENT FILING DATE: 2001-08-21
; PRIOR APPLICATION NUMBER: US 09/342,767
; PRIOR FILING DATE: 1999-06-29
; PRIOR APPLICATION NUMBER: US 09/146,950
; PRIOR FILING DATE: 1998-09-03
; NUMBER OF SEQ ID NOS: 58
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO: 27
; LENGTH: 126
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)...(126)
US-09-934-289A-27

Query Match 83.2%; Score 15.8; DB 3; Length 126;
Best Local Similarity 89.5%; Pred. No. 4.2e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GCGCGAGACCCGGAAGTGC 19
DB 84 GCGCGAGACCCGGAAGTGC 102

RESULT 12
US-09-934-289A-39

; Sequence 39, Application US/09934289A
; Patent No. US20020132297A1
; GENERAL INFORMATION:
; APPLICANT: Busfield, Samantha J.
; TITLE OF INVENTION: NOVEL MOLECULES OF THE
; TITLE OF INVENTION: HERPESVIRUS-ENTRY-MEDIATOR-RELATED
; FILE REFERENCE: MB1098-061CPICN1(M)
; CURRENT APPLICATION NUMBER: US/09/934,289A
; CURRENT FILING DATE: 2001-08-21
; PRIOR APPLICATION NUMBER: US 09/342,767
; PRIOR FILING DATE: 1999-06-29
; PRIOR APPLICATION NUMBER: US 09/146,950
; PRIOR FILING DATE: 1998-09-03
; NUMBER OF SEQ ID NOS: 58

; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO: 39
; LENGTH: 126
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)...(126)
US-09-934-289A-39

Query Match 83.2%; Score 15.8; DB 3; Length 126;
Best Local Similarity 89.5%; Pred. No. 4.2e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GCGCGAGACCCGGAAGTGC 19
DB 84 GCGCGAGACCCGGAAGTGC 102

RESULT 13
US-09-934-289A-53

; Sequence 53, Application US/09934289A
; Patent No. US20020132297A1
; GENERAL INFORMATION:
; APPLICANT: Busfield, Samantha J.
; TITLE OF INVENTION: NOVEL MOLECULES OF THE
; TITLE OF INVENTION: HERPESVIRUS-ENTRY-MEDIATOR-RELATED
; FILE REFERENCE: MB1098-061CPICN1(M)
; CURRENT APPLICATION NUMBER: US/09/934,289A
; CURRENT FILING DATE: 2001-08-21
; PRIOR APPLICATION NUMBER: US 09/342,767
; PRIOR FILING DATE: 1999-06-29
; PRIOR APPLICATION NUMBER: US 09/146,950
; PRIOR FILING DATE: 1998-09-03
; NUMBER OF SEQ ID NOS: 58
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO: 53
; LENGTH: 126
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)...(126)
US-09-934-289A-53

Query Match 83.2%; Score 15.8; DB 3; Length 126;
Best Local Similarity 89.5%; Pred. No. 4.2e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GCGCGAGACCCGGAAGTGC 19
DB 84 GCGCGAGACCCGGAAGTGC 102

RESULT 14
US-10-932-991-11

; Sequence 11, Application US/10932991
; Publication No. US20050013827A1
; GENERAL INFORMATION:
; APPLICANT: Busfield, Samantha J.
; TITLE OF INVENTION: NOVEL MOLECULES OF THE
; TITLE OF INVENTION: HERPESVIRUS-ENTRY-MEDIATOR-RELATED
; FILE REFERENCE: MB1098-061CPICN1(M)
; CURRENT APPLICATION NUMBER: US/10/932,991
; CURRENT FILING DATE: 2004-09-01
; PRIOR APPLICATION NUMBER: US/09/934,289
; PRIOR FILING DATE: 2001-08-21
; PRIOR APPLICATION NUMBER: US 09/342,767
; PRIOR FILING DATE: 1999-06-29
; PRIOR APPLICATION NUMBER: US 09/146,950
; PRIOR FILING DATE: 1998-09-03

NUMBER OF SEQ ID NOS: 58
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 11
LENGTH: 126
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: (1)...(126)
US-10-932-991-11

Query Match 83.2%; Score 15.8; DB 8; Length 126;
Best Local Similarity 89.5%; Pred. No. 4.2e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GCGCGAGAGCCCGAAGCTGC 19
|||||
Db 84 GCGCGAGAGCCCGAAGCTGC 102

RESULT 15

US-10-932-991-27
Sequence 27, Application US/10932991
Publication No. US20050013827A1
GENERAL INFORMATION:
APPLICANT: Busfield, Samantha J.
TITLE OF INVENTION: NOVEL MOLECULES OF THE
TITLE OF INVENTION: HERPESVIRUS-ENTRY-MEDIATOR-RELATED
FILE REFERENCE: MB1098-061C1CN1(M)
CURRENT APPLICATION NUMBER: US/10/932,991
CURRENT FILING DATE: 2004-09-01
PRIOR APPLICATION NUMBER: US/09/934,289
PRIOR FILING DATE: 2001-08-21
PRIOR APPLICATION NUMBER: US 09/342,767
PRIOR FILING DATE: 1999-06-29
PRIOR APPLICATION NUMBER: US 09/146,950
PRIOR FILING DATE: 1998-09-03
NUMBER OF SEQ ID NOS: 58
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 27
LENGTH: 126
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: (1)...(126)
US-10-932-991-27

Query Match 83.2%; Score 15.8; DB 8; Length 126;
Best Local Similarity 89.5%; Pred. No. 4.2e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GCGCGAGAGCCCGAAGCTGC 19
|||||
Db 84 GCGCGAGAGCCCGAAGCTGC 102

RESULT 16

US-10-932-991-39
Sequence 39, Application US/10932991
Publication No. US20050013827A1
GENERAL INFORMATION:
APPLICANT: Busfield, Samantha J.
TITLE OF INVENTION: NOVEL MOLECULES OF THE
TITLE OF INVENTION: HERPESVIRUS-ENTRY-MEDIATOR-RELATED
FILE REFERENCE: MB1098-061C1CN1(M)
CURRENT APPLICATION NUMBER: US/10/932,991
CURRENT FILING DATE: 2004-09-01
PRIOR APPLICATION NUMBER: US/09/934,289
PRIOR FILING DATE: 2001-08-21
PRIOR APPLICATION NUMBER: US 09/342,767

PRIOR FILING DATE: 1999-06-29
PRIOR APPLICATION NUMBER: US 09/146,950
PRIOR FILING DATE: 1998-09-03
NUMBER OF SEQ ID NOS: 58
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 126
LENGTH: 126
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: (1)...(126)
US-10-932-991-39

Query Match 83.2%; Score 15.8; DB 8; Length 126;
Best Local Similarity 89.5%; Pred. No. 4.2e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GCGCGAGAGCCCGAAGCTGC 19
|||||
Db 84 GCGCGAGAGCCCGAAGCTGC 102

RESULT 17

US-10-932-991-53
Sequence 53, Application US/10932991
Publication No. US20050013827A1
GENERAL INFORMATION:
APPLICANT: Busfield, Samantha J.
TITLE OF INVENTION: NOVEL MOLECULES OF THE
TITLE OF INVENTION: HERPESVIRUS-ENTRY-MEDIATOR-RELATED
FILE REFERENCE: MB1098-061C1CN1(M)
CURRENT APPLICATION NUMBER: US/10/932,991
CURRENT FILING DATE: 2004-09-01
PRIOR APPLICATION NUMBER: US/09/934,289
PRIOR FILING DATE: 2001-08-21
PRIOR APPLICATION NUMBER: US 09/342,767
PRIOR FILING DATE: 1999-06-29
PRIOR APPLICATION NUMBER: US 09/146,950
PRIOR FILING DATE: 1998-09-03
NUMBER OF SEQ ID NOS: 58
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 53
LENGTH: 126
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: (1)...(126)
US-10-932-991-53

Query Match 83.2%; Score 15.8; DB 8; Length 126;
Best Local Similarity 89.5%; Pred. No. 4.2e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GCGCGAGAGCCCGAAGCTGC 19
|||||
Db 84 GCGCGAGAGCCCGAAGCTGC 102

RESULT 18

US-10-425-115-59071
Sequence 59071, Application US/10425115
Publication No. US20040214272A1
GENERAL INFORMATION:
APPLICANT: La Rosa, Thomas J.
APPLICANT: Kovalic, David K.
APPLICANT: Zhou, Yihua
APPLICANT: Cao, Yongwei
TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
FILE REFERENCE: 38-21(53222)B

```
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 59071
; LENGTH: 308
; TYPE: DNA
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: MRT4577_153868C.1
US-10-425-115-59071

Query Match
Best Local Similarity 83.2%; Score 15.8; DB 8; Length 308;
Best Local Similarity 89.5%; Pred. No. 3.6e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GCGCGAGAGCCCGAAGCTGC 19
    |||||
Db 21 GCGCGAAGACGACGAACTGC 39

RESULT 19
US-10-856-499-1466/c
; Sequence 1466, Application US/10856499
; Publication No. US20040259145A1
; GENERAL INFORMATION:
; APPLICANT: Shenk, Michael A.
; APPLICANT: McGrath, Annette
; APPLICANT: Wood, Marion
; APPLICANT: Glenn, Matthew
; TITLE OF INVENTION: Compositions and Methods for the
; FILE REFERENCE: 11000.1021C2
; CURRENT APPLICATION NUMBER: US/10/856,499
; CURRENT FILING DATE: 2004-05-28
; NUMBER OF SEQ ID NOS: 2370
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1466
; LENGTH: 371
; TYPE: DNA
; ORGANISM: Bucalypplus grandis
US-10-856-499-1466

Query Match
Best Local Similarity 83.2%; Score 15.8; DB 8; Length 371;
Best Local Similarity 89.5%; Pred. No. 3.5e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GCGCGAGAGCCCGAAGCTGC 19
    |||||
Db 68 GCGCGAGAGCGCTGATCTGC 50

RESULT 20
US-10-156-761-5377/c
; Sequence 5377, Application US/10156761
; Publication No. US20030119018A1
; GENERAL INFORMATION:
; APPLICANT: OMURA, SATOSHI
; APPLICANT: IKEDA, HARUO
; APPLICANT: ISHIKAWA, JUN
; APPLICANT: HORIKAWA, HIROSHI
; APPLICANT: SHIBA, TADAYOSHI
; APPLICANT: SAKAKI, YOSHIYUKI
; APPLICANT: HATTORI, MASAHIRA
; TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES
; FILE REFERENCE: 249-262
; CURRENT APPLICATION NUMBER: US/10/156,761
; CURRENT FILING DATE: 2002-05-29
; PRIOR APPLICATION NUMBER: JP 2001-204089
; PRIOR FILING DATE: 2001-05-30
; PRIOR APPLICATION NUMBER: JP 2001-272697
; PRIOR FILING DATE: 2001-08-02
; NUMBER OF SEQ ID NOS: 15109
; SEQ ID NO 5377
```

```
; LENGTH: 528
; TYPE: DNA
; ORGANISM: Streptomyces avermitilis
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)..(528)
US-10-156-761-5377

Query Match
Best Local Similarity 83.2%; Score 15.8; DB 6; Length 528;
Best Local Similarity 89.5%; Pred. No. 3.3e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GCGCGAGAGCCCGAAGCTGC 19
    |||||
Db 183 GCGCGAGATCCGAAACCCG 165

RESULT 21
US-09-934-289A-31
; Sequence 31, Application US/09934289A
; Patent No. US20020132297A1
; GENERAL INFORMATION:
; APPLICANT: Busfield, Samantha J.
; TITLE OF INVENTION: NOVEL MOLECULES OF THE
; TITLE OF INVENTION: HERPESVIRUS-ENTRY-MEDIATOR-RELATED
; TITLE OF INVENTION: PROTEIN FAMILY AND USES THEREOF
; FILE REFERENCE: MB1098-061CPLCN1(M)
; CURRENT APPLICATION NUMBER: US/09/934,289A
; CURRENT FILING DATE: 2001-08-21
; PRIOR APPLICATION NUMBER: US 09/342,767
; PRIOR FILING DATE: 1999-06-29
; PRIOR APPLICATION NUMBER: US 09/146,950
; PRIOR FILING DATE: 1998-09-03
; NUMBER OF SEQ ID NOS: 58
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 31
; LENGTH: 558
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)...(558)
US-09-934-289A-31

Query Match
Best Local Similarity 83.2%; Score 15.8; DB 3; Length 558;
Best Local Similarity 89.5%; Pred. No. 3.3e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GCGCGAGAGCCCGAAGCTGC 19
    |||||
Db 315 GCGCGAGAGCCGGAAGCTGC 333

RESULT 22
US-10-932-991-31
; Sequence 31, Application US/10932991
; Publication No. US20050013827A1
; GENERAL INFORMATION:
; APPLICANT: Busfield, Samantha J.
; TITLE OF INVENTION: NOVEL MOLECULES OF THE
; TITLE OF INVENTION: HERPESVIRUS-ENTRY-MEDIATOR-RELATED
; TITLE OF INVENTION: PROTEIN FAMILY AND USES THEREOF
; FILE REFERENCE: MB1098-061CPLCN1(M)
; CURRENT APPLICATION NUMBER: US/10/932,991
; CURRENT FILING DATE: 2004-09-01
; PRIOR APPLICATION NUMBER: US/09/934,289
; PRIOR FILING DATE: 2001-08-21
; PRIOR APPLICATION NUMBER: US 09/342,767
; PRIOR FILING DATE: 1999-06-29
; PRIOR APPLICATION NUMBER: US 09/146,950
; PRIOR FILING DATE: 1998-09-03
; NUMBER OF SEQ ID NOS: 58
; SOFTWARE: FastSeq for Windows Version 3.0
```

```
; SEQ ID NO 31
; LENGTH: 558
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)...(558)
US-10-932-991-31
```

```
Query Match      83.2%; Score 15.8; DB 8; Length 558;
Best Local Similarity 89.5%; Pred. No. 3.3e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
```

```
QY      1 GCGCGAGAGCCCGAAGCTGC 19
          ||||| ||||| ||||| |||||
Db      315 GCGCGGAGCGCGGAGACTGC 333
```

RESULT 23

```
US-09-934-289A-3
; Sequence 3, Application US/09934289A
; Patent No. US20020132297A1
; GENERAL INFORMATION:
; APPLICANT: Busfield, Samantha J.
; TITLE OF INVENTION: NOVEL MOLECULES OF THE
; TITLE OF INVENTION: HERPESVIRUS-ENTRY-MEDIATOR-RELATED
; TITLE OF INVENTION: PROTEIN FAMILY AND USES THEREOF
; FILE REFERENCE: MB1098-061C1CN1(M)
; CURRENT APPLICATION NUMBER: US/09/934,289A
; PRIOR FILING DATE: 2001-08-21
; PRIOR APPLICATION NUMBER: US 09/342,767
; PRIOR FILING DATE: 1999-06-29
; PRIOR APPLICATION NUMBER: US 09/146,950
; PRIOR FILING DATE: 1998-09-03
; NUMBER OF SEQ ID NOS: 58
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 3
; LENGTH: 579
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)...(579)
US-09-934-289A-3
```

```
Query Match      83.2%; Score 15.8; DB 3; Length 579;
Best Local Similarity 89.5%; Pred. No. 3.3e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
```

```
QY      1 GCGCGAGAGCCCGAAGCTGC 19
          ||||| ||||| ||||| |||||
Db      315 GCGCGGAGCGCGGAGACTGC 333
```

RESULT 24

```
US-10-932-991-3
; Sequence 3, Application US/10932991
; Publication No. US20050013827A1
; GENERAL INFORMATION:
; APPLICANT: Busfield, Samantha J.
; TITLE OF INVENTION: NOVEL MOLECULES OF THE
; TITLE OF INVENTION: HERPESVIRUS-ENTRY-MEDIATOR-RELATED
; TITLE OF INVENTION: PROTEIN FAMILY AND USES THEREOF
; FILE REFERENCE: MB1098-061C1CN1(M)
; CURRENT APPLICATION NUMBER: US/10/932,991
; PRIOR FILING DATE: 2004-09-01
; PRIOR APPLICATION NUMBER: US/09/934,289
; PRIOR FILING DATE: 2001-08-21
; PRIOR APPLICATION NUMBER: US 09/342,767
; PRIOR FILING DATE: 1999-06-29
; PRIOR APPLICATION NUMBER: US 09/146,950
; PRIOR FILING DATE: 1998-09-03
; NUMBER OF SEQ ID NOS: 58
```

```
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 3
; LENGTH: 579
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)...(579)
US-10-932-991-3
```

```
Query Match      83.2%; Score 15.8; DB 8; Length 579;
Best Local Similarity 89.5%; Pred. No. 3.3e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
```

```
QY      1 GCGCGAGAGCCCGAAGCTGC 19
          ||||| ||||| ||||| |||||
Db      315 GCGCGGAGCGCGGAGACTGC 333
```

RESULT 25

```
US-09-934-289A-19
; Sequence 19, Application US/09934289A
; Patent No. US20020132297A1
; GENERAL INFORMATION:
; APPLICANT: Busfield, Samantha J.
; TITLE OF INVENTION: NOVEL MOLECULES OF THE
; TITLE OF INVENTION: HERPESVIRUS-ENTRY-MEDIATOR-RELATED
; TITLE OF INVENTION: PROTEIN FAMILY AND USES THEREOF
; FILE REFERENCE: MB1098-061C1CN1(M)
; CURRENT APPLICATION NUMBER: US/09/934,289A
; PRIOR FILING DATE: 2001-08-21
; PRIOR APPLICATION NUMBER: US 09/342,767
; PRIOR FILING DATE: 1999-06-29
; PRIOR APPLICATION NUMBER: US 09/146,950
; PRIOR FILING DATE: 1998-09-03
; NUMBER OF SEQ ID NOS: 58
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 19
; LENGTH: 591
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)...(591)
US-09-934-289A-19
```

```
Query Match      83.2%; Score 15.8; DB 3; Length 591;
Best Local Similarity 89.5%; Pred. No. 3.2e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
```

```
QY      1 GCGCGAGAGCCCGAAGCTGC 19
          ||||| ||||| ||||| |||||
Db      315 GCGCGGAGCGCGGAGACTGC 333
```

RESULT 26

```
US-10-932-991-19
; Sequence 19, Application US/10932991
; Publication No. US20050013827A1
; GENERAL INFORMATION:
; APPLICANT: Busfield, Samantha J.
; TITLE OF INVENTION: NOVEL MOLECULES OF THE
; TITLE OF INVENTION: HERPESVIRUS-ENTRY-MEDIATOR-RELATED
; TITLE OF INVENTION: PROTEIN FAMILY AND USES THEREOF
; FILE REFERENCE: MB1098-061C1CN1(M)
; CURRENT APPLICATION NUMBER: US/10/932,991
; PRIOR FILING DATE: 2004-09-01
; PRIOR APPLICATION NUMBER: US/09/934,289
; PRIOR FILING DATE: 2001-08-21
; PRIOR APPLICATION NUMBER: US 09/342,767
; PRIOR FILING DATE: 1999-06-29
; PRIOR APPLICATION NUMBER: US 09/146,950
; PRIOR FILING DATE: 1998-09-03
```

; NUMBER OF SEQ ID NOS: 58
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO: 19
; LENGTH: 591
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)...(591)
US-10-932-991-19

Query Match 83.2%; Score 15.8; DB 8; Length 591;
Best Local Similarity 89.5%; Pred. No. 3.2e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GCGCGAGAGCCCGAACTGC 19
|||||
Db 315 GCGCGAGAGCCCGAACTGC 333

RESULT 27
US-10-156-761-6873/c
; Sequence 6873, Application US/10156761
; Publication No. US20030119018A1
; GENERAL INFORMATION:
; APPLICANT: OKURA, SATOSHI
; APPLICANT: IKEDA, HARUO
; APPLICANT: ISHIKAWA, JUN
; APPLICANT: HORIKAWA, HIROSHI
; APPLICANT: SHIBA, TADAYOSHI
; APPLICANT: SAKAKI, YOSHIYUKI
; APPLICANT: HATORI, MASAHIRA
; TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES
; FILE REFERENCE: 249-262
; CURRENT APPLICATION NUMBER: US/10/156,761
; CURRENT FILING DATE: 2002-05-29
; PRIOR APPLICATION NUMBER: JP 2001-204089
; PRIOR FILING DATE: 2001-05-30
; PRIOR APPLICATION NUMBER: JP 2001-272697
; PRIOR FILING DATE: 2001-08-02
; NUMBER OF SEQ ID NOS: 15109
; SEQ ID NO 6873
; LENGTH: 672
; TYPE: DNA
; ORGANISM: Streptomyces avermitilis
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)..(672)
US-10-156-761-6873

Query Match 83.2%; Score 15.8; DB 6; Length 672;
Best Local Similarity 89.5%; Pred. No. 3.2e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GCGCGAGAGCCCGAACTGC 19
|||||
Db 315 GCGCGAGAGCCCGAACTGC 297

RESULT 28
US-09-934-289A-43
; Sequence 43, Application US/09934289A
; Patent No. US20020132297A1
; GENERAL INFORMATION:
; APPLICANT: Busfield, Samantha J.
; TITLE OF INVENTION: NOVEL MOLECULES OF THE
; TITLE OF INVENTION: HERPESVIRUS-ENTRY-MEDIATOR-RELATED
; TITLE OF INVENTION: PROTEIN FAMILY AND USES THEREOF
; FILE REFERENCE: MBIO98-061CPC1N1(M)
; CURRENT APPLICATION NUMBER: US/09/934,289A
; CURRENT FILING DATE: 2001-08-21
; PRIOR APPLICATION NUMBER: US 09/342,767
; PRIOR FILING DATE: 1999-06-29

; PRIOR APPLICATION NUMBER: US 09/146,950
; PRIOR FILING DATE: 1998-09-03
; NUMBER OF SEQ ID NOS: 58
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 43
; LENGTH: 831
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)...(831)
US-09-934-289A-43

Query Match 83.2%; Score 15.8; DB 3; Length 831;
Best Local Similarity 89.5%; Pred. No. 3.1e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GCGCGAGAGCCCGAACTGC 19
|||||
Db 315 GCGCGAGAGCCCGAACTGC 333

RESULT 29
US-10-932-991-43
; Sequence 43, Application US/10932991
; Publication No. US20050013827A1
; GENERAL INFORMATION:
; APPLICANT: Busfield, Samantha J.
; TITLE OF INVENTION: NOVEL MOLECULES OF THE
; TITLE OF INVENTION: HERPESVIRUS-ENTRY-MEDIATOR-RELATED
; TITLE OF INVENTION: PROTEIN FAMILY AND USES THEREOF
; FILE REFERENCE: MBIO98-061CPC1N1(M)
; CURRENT APPLICATION NUMBER: US/10/932,991
; CURRENT FILING DATE: 2004-09-01
; PRIOR APPLICATION NUMBER: US/09/934,289
; PRIOR FILING DATE: 2001-08-21
; PRIOR APPLICATION NUMBER: US 09/342,767
; PRIOR FILING DATE: 1999-06-29
; PRIOR APPLICATION NUMBER: US 09/146,950
; PRIOR FILING DATE: 1998-09-03
; NUMBER OF SEQ ID NOS: 58
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 43
; LENGTH: 831
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)...(831)
US-10-932-991-43

Query Match 83.2%; Score 15.8; DB 8; Length 831;
Best Local Similarity 89.5%; Pred. No. 3.1e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GCGCGAGAGCCCGAACTGC 19
|||||
Db 315 GCGCGAGAGCCCGAACTGC 333

RESULT 30
US-10-363-345A-15745
; Sequence 15745, Application US/10363345A
; Publication No. US20040234960A1
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Method for determining the degree of methylation of defined
; TITLE OF INVENTION: cytosines in genomic DNA in the sequence context of 5'-CpG-3
; FILE REFERENCE: E01/1227
; CURRENT APPLICATION NUMBER: US/10/363,345A
; CURRENT FILING DATE: 2003-03-03

NUMBER OF SEQ ID NOS: 40712
SEQ ID NO 15745
LENGTH: 840
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
US-10-363-345A-15745

Query Match
Best Local Similarity 83.2%; Score 15.8; DB 8; Length 840;
Pred. No. 3.1e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1 GCGCGAGAGCCCGAAGTGC 19
Db 128 GCGCGAGAGCCCGAAGTGC 146

RESULT 31
US-10-363-345A-15746/c
Sequence 15746, Application US/10363345A
Publication No. US20040234960A1
GENERAL INFORMATION:
APPLICANT: Alexander Olek
APPLICANT: Christian Piepenbrock
APPLICANT: Kurt Berlin
TITLE OF INVENTION: Method for determining the degree of methylation of defined
TITLE OF INVENTION: cytosines in genomic DNA in the sequence context of 5'-CpG-3
FILE REFERENCE: E01/1227
CURRENT APPLICATION NUMBER: US/10/363,345A
CURRENT FILING DATE: 2003-03-03
NUMBER OF SEQ ID NOS: 40712
SEQ ID NO 15746
LENGTH: 840
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
US-10-363-345A-15746

Query Match
Best Local Similarity 83.2%; Score 15.8; DB 8; Length 840;
Pred. No. 3.1e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1 GCGCGAGAGCCCGAAGTGC 19
Db 713 GCGCGAGAGCCCGAAGTGC 695

RESULT 32
US-10-363-483A-15745
Sequence 15745, Application US/10363483A
Publication No. US20050064401A1
GENERAL INFORMATION:
APPLICANT: Alexander Olek
APPLICANT: Christian Piepenbrock
APPLICANT: Kurt Berlin
TITLE OF INVENTION: Diagnosis of illnesses or predisposition to certain
TITLE OF INVENTION: illnesses
FILE REFERENCE: 82011
CURRENT APPLICATION NUMBER: US/10/363,483A
CURRENT FILING DATE: 2003-03-03
NUMBER OF SEQ ID NOS: 40712
SEQ ID NO 15745
LENGTH: 840
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
US-10-363-483A-15745

Query Match
Best Local Similarity 83.2%; Score 15.8; DB 9; Length 840;
Pred. No. 3.1e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1 GCGCGAGAGCCCGAAGTGC 19
Db 128 GCGCGAGAGCCCGAAGTGC 146

RESULT 33
US-10-363-483A-15746/c
Sequence 15746, Application US/10363483A
Publication No. US20050064401A1
GENERAL INFORMATION:
APPLICANT: Alexander Olek
APPLICANT: Christian Piepenbrock
APPLICANT: Kurt Berlin
TITLE OF INVENTION: Diagnosis of illnesses or predisposition to certain
TITLE OF INVENTION: illnesses
FILE REFERENCE: 82011
CURRENT APPLICATION NUMBER: US/10/363,483A
CURRENT FILING DATE: 2003-03-03
NUMBER OF SEQ ID NOS: 40712
SEQ ID NO 15746
LENGTH: 840
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
US-10-363-483A-15746

Query Match
Best Local Similarity 83.2%; Score 15.8; DB 9; Length 840;
Pred. No. 3.1e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1 GCGCGAGAGCCCGAAGTGC 19
Db 713 GCGCGAGAGCCCGAAGTGC 695

RESULT 34
US-10-363-345A-31339
Sequence 31339, Application US/10363345A
Publication No. US20040234960A1
GENERAL INFORMATION:
APPLICANT: Alexander Olek
APPLICANT: Christian Piepenbrock
APPLICANT: Kurt Berlin
TITLE OF INVENTION: Method for determining the degree of methylation of defined
TITLE OF INVENTION: cytosines in genomic DNA in the sequence context of 5'-CpG-3
FILE REFERENCE: E01/1227
CURRENT APPLICATION NUMBER: US/10/363,345A
CURRENT FILING DATE: 2003-03-03
NUMBER OF SEQ ID NOS: 40712
SEQ ID NO 31339
LENGTH: 841
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
US-10-363-345A-31339

Query Match
Best Local Similarity 83.2%; Score 15.8; DB 8; Length 841;
Pred. No. 3.1e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1 GCGCGAGAGCCCGAAGTGC 19
Db 218 GCGCGAGAGCCCGAAGTGC 236

```
RESULT 35
US-10-363-345A-31340/C
; Sequence 31340, Application US/10363345A
; Publication No. US20040234960A1
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Method for determining the degree of methylation of defined
; FILE REFERENCE: E01/1227
; CURRENT APPLICATION NUMBER: US/10/363,345A
; CURRENT FILING DATE: 2003-03-03
; NUMBER OF SEQ ID NOS: 40712
; SEQ ID NO 31340
; LENGTH: 841
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Chemically treated genomic DNA (Homo sapiens)
US-10-363-345A-31340

Query Match      83.2%; Score 15.8; DB 8; Length 841;
Best Local Similarity 89.5%; Pred. No. 3.1e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      1 GCGCGAGAGCCCGAAGTGC 19
Db      624 GCGCGAGAGCCCGAAGTGC 606

RESULT 36
US-10-363-483A-31339
; Sequence 31339, Application US/10363483A
; Publication No. US20050064401A1
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Diagnosis of illnesses or predisposition to certain
; FILE REFERENCE: 82011
; CURRENT APPLICATION NUMBER: US/10/363,483A
; CURRENT FILING DATE: 2003-03-03
; NUMBER OF SEQ ID NOS: 40712
; SEQ ID NO 31339
; LENGTH: 841
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Chemically treated genomic DNA (Homo sapiens)
US-10-363-483A-31339

Query Match      83.2%; Score 15.8; DB 9; Length 841;
Best Local Similarity 89.5%; Pred. No. 3.1e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      1 GCGCGAGAGCCCGAAGTGC 19
Db      218 GCGCGAGAGCCCGAAGTGC 236

RESULT 37
US-10-363-483A-31340/C
; Sequence 31340, Application US/10363483A
; Publication No. US20050064401A1
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
```

```
; TITLE OF INVENTION: Diagnosis of illnesses or predisposition to certain
; FILE REFERENCE: 82011
; CURRENT APPLICATION NUMBER: US/10/363,483A
; CURRENT FILING DATE: 2003-03-03
; NUMBER OF SEQ ID NOS: 40712
; SEQ ID NO 31340
; LENGTH: 841
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Chemically treated genomic DNA (Homo sapiens)
US-10-363-483A-31340

Query Match      83.2%; Score 15.8; DB 9; Length 841;
Best Local Similarity 89.5%; Pred. No. 3.1e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      1 GCGCGAGAGCCCGAAGTGC 19
Db      624 GCGCGAGAGCCCGAAGTGC 606

RESULT 38
US-10-775-204-38
; Sequence 38, Application US/10775204
; Publication No. US2005018664A1
; GENERAL INFORMATION:
; APPLICANT: Rosen, Craig A.
; APPLICANT: Haseltine, William A.
; APPLICANT: Balance, David J.
; APPLICANT: Turner, Andrew J.
; TITLE OF INVENTION: Albumin Fusion Proteins
; FILE REFERENCE: PF564
; CURRENT APPLICATION NUMBER: US/10/775,204
; CURRENT FILING DATE: 2004-02-11
; PRIOR APPLICATION NUMBER: 60/341,811
; PRIOR FILING DATE: 2001-12-21
; PRIOR APPLICATION NUMBER: 60/360,000
; PRIOR FILING DATE: 2002-02-28
; PRIOR APPLICATION NUMBER: 60/378,950
; PRIOR FILING DATE: 2002-05-10
; PRIOR APPLICATION NUMBER: 60/398,008
; PRIOR FILING DATE: 2002-07-24
; PRIOR APPLICATION NUMBER: 60/411,355
; PRIOR FILING DATE: 2002-09-18
; PRIOR APPLICATION NUMBER: 60/414,984
; PRIOR FILING DATE: 2002-10-02
; PRIOR APPLICATION NUMBER: 60/417,611
; PRIOR FILING DATE: 2002-10-11
; PRIOR APPLICATION NUMBER: 60/420,246
; PRIOR FILING DATE: 2002-10-23
; PRIOR APPLICATION NUMBER: 60/423,623
; PRIOR FILING DATE: 2002-11-05
; PRIOR APPLICATION NUMBER: 60/351,360
; PRIOR FILING DATE: 2002-01-28
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 2222
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 38
; LENGTH: 852
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-775-204-38

Query Match      83.2%; Score 15.8; DB 9; Length 852;
Best Local Similarity 89.5%; Pred. No. 3.1e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      1 GCGCGAGAGCCCGAAGTGC 19
Db      315 GCGCGAGAGCCCGAAGTGC 333
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RESULT 39
US-10-775-204-116
; Sequence 116, Application US/10775204
; Publication No. US2005018664A1
; GENERAL INFORMATION:
; APPLICANT: Rosen, Craig A.
; APPLICANT: Haseltine, William A.
; APPLICANT: Balance, David J.
; APPLICANT: Turner, Andrew J.
; TITLE OF INVENTION: Albumin Fusion Proteins
; FILE REFERENCE: PF564
; CURRENT APPLICATION NUMBER: US/10/775,204
; CURRENT FILING DATE: 2004-02-11
; PRIOR APPLICATION NUMBER: 60/341,811
; PRIOR FILING DATE: 2001-12-21
; PRIOR APPLICATION NUMBER: 60/360,000
; PRIOR FILING DATE: 2002-02-28
; PRIOR APPLICATION NUMBER: 60/378,950
; PRIOR FILING DATE: 2002-05-10
; PRIOR APPLICATION NUMBER: 60/398,008
; PRIOR FILING DATE: 2002-07-24
; PRIOR APPLICATION NUMBER: 60/411,355
; PRIOR FILING DATE: 2002-09-18
; PRIOR APPLICATION NUMBER: 60/414,984
; PRIOR FILING DATE: 2002-10-02
; PRIOR APPLICATION NUMBER: 60/417,611
; PRIOR FILING DATE: 2002-10-11
; PRIOR APPLICATION NUMBER: 60/420,246
; PRIOR FILING DATE: 2002-10-23
; PRIOR APPLICATION NUMBER: 60/423,623
; PRIOR FILING DATE: 2002-11-05
; PRIOR APPLICATION NUMBER: 60/351,360
; PRIOR FILING DATE: 2002-01-28
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 2222
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 116
; LENGTH: 852
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-775-204-116

Query Match      83.2%; Score 15.8; DB 9; Length 852;
Best Local Similarity 89.5%; Pred. No. 3.1e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      1 GCGCGAGAGCCGCACTGC 19
Db      315 GCGCGAGAGCCGCACTGC 333

RESULT 40
US-11-097-143-12464
; Sequence 12464, Application US/11097143
; Publication No. US20050208558A1
; GENERAL INFORMATION:
; APPLICANT: Venter, J. Craig
; APPLICANT: et al.
; TITLE OF INVENTION: DETECTION KIT, SUCH AS NUCLEIC ACID
; TITLE OF INVENTION: ARRAYS, FOR DETECTING EXPRESSION OF 10,000 OR MORE
; FILE REFERENCE: CLO00728
; CURRENT APPLICATION NUMBER: US/11/097,143
; CURRENT FILING DATE: 2005-04-04
; PRIOR APPLICATION NUMBER: 60/157,832
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: 60/160,191
; PRIOR FILING DATE: 1999-10-19
; PRIOR APPLICATION NUMBER: 60/161,932
; PRIOR FILING DATE: 1999-10-28
; PRIOR APPLICATION NUMBER: 60/164,769
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; PRIOR FILING DATE: 1999-11-12
; PRIOR APPLICATION NUMBER: 60/173,383
; PRIOR FILING DATE: 1999-12-28
; PRIOR APPLICATION NUMBER: 60/175,693
; PRIOR FILING DATE: 2000-01-12
; PRIOR APPLICATION NUMBER: 60/184,831
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: 60/191,637
; PRIOR FILING DATE: 2000-03-23
; NUMBER OF SEQ ID NOS: 43008
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 12464
; LENGTH: 969
; TYPE: DNA
; ORGANISM: DROSOPHILA
US-11-097-143-12464

Query Match      83.2%; Score 15.8; DB 10; Length 969;
Best Local Similarity 89.5%; Pred. No. 3e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      1 GCGCGAGAGCCGCACTGC 19
Db      765 GCGCGAGAGCCGCACTGC 783

RESULT 41
US-10-282-122A-11581
; Sequence 11581, Application US/10282122A
; Publication No. US20040029129A1
; GENERAL INFORMATION:
; APPLICANT: Wang, Liangsu
; APPLICANT: Zamudio, Carlos
; APPLICANT: Malone, Cheryl
; APPLICANT: Haselbeck, Robert
; APPLICANT: Ohlsen, Karl
; APPLICANT: Zykkind, Judith
; APPLICANT: Wall, Daniel
; APPLICANT: Trawick, John
; APPLICANT: Carr, Grant
; APPLICANT: Yamamoto, Robert
; APPLICANT: Forsyth, R.
; APPLICANT: Xu, H.
; TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
; FILE REFERENCE: ELITRA.034A
; CURRENT APPLICATION NUMBER: US/10/282,122A
; CURRENT FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: 60/191,078
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/206,848
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/207,727
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/230,335
; PRIOR FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: 60/230,347
; PRIOR FILING DATE: 2000-09-09
; PRIOR APPLICATION NUMBER: 60/242,578
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/253,625
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/257,931
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/267,636
; PRIOR FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/269,308
; PRIOR FILING DATE: 2001-02-16
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 78614
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 11581
; LENGTH: 1029
; TYPE: DNA
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ORGANISM: Burkholderia cepacia
US-10-282-122A-11581

Query Match 83.2%; Score 15.8; DB 7; Length 1029;
Best Local Similarity 89.5%; Pred. No. 3e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GCGCGAGAGCCGAACTGC 19
|||||
DB 771 GCGCGAGATCCGAACTTC 789

RESULT 42

US-10-437-963-61381/c
Sequence 61381, Application US/10437963
Publication No. US20040123343A1
GENERAL INFORMATION:
APPLICANT: La Rosa, Thomas J.
APPLICANT: Kovalic, David K.
APPLICANT: Zhou, Yihua
APPLICANT: Cao, Yongwei
APPLICANT: Wu, Wei
APPLICANT: Boukharov, Andrey A.
APPLICANT: Barbazuk, Brad
APPLICANT: Li, Ping
TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
FILE REFERENCE: 38-21(53221)B
CURRENT APPLICATION NUMBER: US/10/437,963
CURRENT FILING DATE: 2003-05-14
NUMBER OF SEQ ID NOS: 204966
SEQ ID NO 61381
LENGTH: 1055
TYPE: DNA
ORGANISM: Oryza sativa
FEATURE:
NAME/KEY: unsure
LOCATION: (1)-(1055)
OTHER INFORMATION: unsure at all n locations
FEATURE:
OTHER INFORMATION: Clone ID: PAT_MRT4530_6281C.1
US-10-437-963-61381

Query Match 83.2%; Score 15.8; DB 7; Length 1055;
Best Local Similarity 89.5%; Pred. No. 3e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GCGCGAGAGCCGAACTGC 19
|||||
DB 234 GCGTGAGAGCCGAACTGC 216

RESULT 43

US-10-425-114-2535/c
Sequence 2535, Application US/10425114
Publication No. US20040034888A1
GENERAL INFORMATION:
APPLICANT: Liu, Jindong
APPLICANT: Zhou, Yihua
APPLICANT: Kovalic, David K.
APPLICANT: Screen, Steven E
APPLICANT: Tabaska, Jack E
APPLICANT: Cao, Yongwei
TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
FILE REFERENCE: 38-21(53313)B
CURRENT APPLICATION NUMBER: US/10/425,114
CURRENT FILING DATE: 2003-04-28
NUMBER OF SEQ ID NOS: 73128
SEQ ID NO 2535
LENGTH: 1081
TYPE: DNA
ORGANISM: Zea mays

FEATURE:
OTHER INFORMATION: Clone ID: 700216676_FLI
US-10-425-114-2535

Query Match 83.2%; Score 15.8; DB 7; Length 1081;
Best Local Similarity 89.5%; Pred. No. 2.9e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GCGCGAGAGCCGAACTGC 19
|||||
DB 421 GCGCGCGCGCCGAACTGC 403

RESULT 44

US-10-437-963-5859/c
Sequence 5859, Application US/10437963
Publication No. US20040123343A1
GENERAL INFORMATION:
APPLICANT: La Rosa, Thomas J.
APPLICANT: Kovalic, David K.
APPLICANT: Zhou, Yihua
APPLICANT: Cao, Yongwei
APPLICANT: Wu, Wei
APPLICANT: Boukharov, Andrey A.
APPLICANT: Barbazuk, Brad
APPLICANT: Li, Ping
TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
FILE REFERENCE: 38-21(53221)B
CURRENT APPLICATION NUMBER: US/10/437,963
CURRENT FILING DATE: 2003-05-14
NUMBER OF SEQ ID NOS: 204966
SEQ ID NO 5859
LENGTH: 1476
TYPE: DNA
ORGANISM: Oryza sativa
FEATURE:
OTHER INFORMATION: Clone ID: PAT_MRT4530_12604C.1
US-10-437-963-5859

Query Match 83.2%; Score 15.8; DB 7; Length 1476;
Best Local Similarity 89.5%; Pred. No. 2.8e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GCGCGAGAGCCGAACTGC 19
|||||
DB 588 GCGCGAGAGCCGAACTGC 570

RESULT 45

US-10-322-281-545
Sequence 545, Application US/10322281
Publication No. US20040126762A1
GENERAL INFORMATION:
APPLICANT: David W. Morris
APPLICANT: Marc S. Malandro
TITLE OF INVENTION: Novel Compositions and Methods in Cancer
FILE REFERENCE: 529452001000
CURRENT APPLICATION NUMBER: US/10/322,281
CURRENT FILING DATE: 2002-12-17
NUMBER OF SEQ ID NOS: 866
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 545
LENGTH: 1558
TYPE: DNA
ORGANISM: Homo sapiens
US-10-322-281-545

Query Match 83.2%; Score 15.8; DB 7; Length 1558;
Best Local Similarity 89.5%; Pred. No. 2.8e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GCGCGAGAGCCGAACTGC 19

Db 463 GCGCGGAGCCGGAAGTGC 481

RESULT 46

US-09-934-289A-17
; Sequence 17, Application US/09934289A
; Patent No. US20020132297A1
; GENERAL INFORMATION:
; APPLICANT: Busfield, Samantha J.
; TITLE OF INVENTION: NOVEL MOLECULES OF THE
; TITLE OF INVENTION: HERPESVIRUS-ENTRY-MEDIATOR-RELATED
; TITLE OF INVENTION: PROTEIN FAMILY AND USES THEREOF
; FILE REFERENCE: MB1098-061CPICN1(M)
; CURRENT APPLICATION NUMBER: US/09/934,289A
; PRIOR FILING DATE: 2001-08-21
; PRIOR APPLICATION NUMBER: US 09/342,767
; PRIOR FILING DATE: 1999-06-29
; PRIOR APPLICATION NUMBER: US 09/146,950
; PRIOR FILING DATE: 1998-09-03
; NUMBER OF SEQ ID NOS: 58
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 17
; LENGTH: 1596
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (107)...(697)
US-09-934-289A-17

Query Match 83.2%; Score 15.8; DB 3; Length 1596;
Best Local Similarity 89.5%; Pred. No. 2.8e+02;

Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GCGCGAGAGCCGGAAGTGC 19
Db 421 GCGCGGAGCCGGAAGTGC 439

RESULT 47

US-10-932-991-17
; Sequence 17, Application US/10932991
; Publication No. US20050013827A1
; GENERAL INFORMATION:
; APPLICANT: Busfield, Samantha J.
; TITLE OF INVENTION: NOVEL MOLECULES OF THE
; TITLE OF INVENTION: HERPESVIRUS-ENTRY-MEDIATOR-RELATED
; TITLE OF INVENTION: PROTEIN FAMILY AND USES THEREOF
; FILE REFERENCE: MB1098-061CPICN1(M)
; CURRENT APPLICATION NUMBER: US/10/932,991
; CURRENT FILING DATE: 2004-09-01
; PRIOR APPLICATION NUMBER: US/09/934,289
; PRIOR FILING DATE: 2001-08-21
; PRIOR APPLICATION NUMBER: US 09/342,767
; PRIOR FILING DATE: 1999-06-29
; PRIOR APPLICATION NUMBER: US 09/146,950
; PRIOR FILING DATE: 1998-09-03
; NUMBER OF SEQ ID NOS: 58
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 17
; LENGTH: 1596
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (107)...(697)
US-10-932-991-17

Query Match 83.2%; Score 15.8; DB 8; Length 1596;
Best Local Similarity 89.5%; Pred. No. 2.8e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GCGCGAGAGCCGGAAGTGC 19
Db 421 GCGCGGAGCCGGAAGTGC 439

RESULT 48

US-10-020-787-1
; Sequence 1, Application US/10020787
; Publication No. US20020102258A1
; GENERAL INFORMATION:
; APPLICANT: Harrop, Jeremy A.
; APPLICANT: Holmes, Stephen D.
; APPLICANT: Reddy, Manjula P.
; APPLICANT: Truneh, Alemegeged
; TITLE OF INVENTION: Human Tumor Necrosis Factor
; TITLE OF INVENTION: Receptor-Like 2 (TR2) Antibodies
; FILE REFERENCE: GH50027C1
; CURRENT APPLICATION NUMBER: US/10/020,787
; CURRENT FILING DATE: 2001-12-14
; PRIOR APPLICATION NUMBER: 09/403,815
; PRIOR FILING DATE: 1999-10-26
; PRIOR APPLICATION NUMBER: PCT/US98/09744
; PRIOR FILING DATE: 1998-05-12
; PRIOR APPLICATION NUMBER: 60/046,249
; PRIOR FILING DATE: 1997-05-12
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 1704
; TYPE: DNA
; ORGANISM: Homo sapien
US-10-020-787-1

Query Match 83.2%; Score 15.8; DB 5; Length 1704;
Best Local Similarity 89.5%; Pred. No. 2.7e+02;

Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GCGCGAGAGCCGGAAGTGC 19
Db 579 GCGCGGAGCCGGAAGTGC 597

RESULT 49

US-10-939-359-1
; Sequence 1, Application US/10939359
; Publication No. US20050065326A1
; GENERAL INFORMATION:
; APPLICANT: Human Genome Sciences, Inc.
; TITLE OF INVENTION: Antibodies that Specifically Bind to TR2
; FILE REFERENCE: PF579P1
; CURRENT APPLICATION NUMBER: US/10/939,359
; CURRENT FILING DATE: 2004-09-14
; PRIOR APPLICATION NUMBER: PCT/US03/10955
; PRIOR FILING DATE: 2003-04-10
; PRIOR APPLICATION NUMBER: 60/371,722
; PRIOR FILING DATE: 2002-04-12
; NUMBER OF SEQ ID NOS: 46
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 1
; LENGTH: 1704
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (265)...(1113)
US-10-939-359-1

Query Match 83.2%; Score 15.8; DB 9; Length 1704;
Best Local Similarity 89.5%; Pred. No. 2.7e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GCGCGAGAGCCGGAAGTGC 19
||||| ||||| ||||| |||||

Db 579 GCGCGAGAGCCGGAACCTGC 597

RESULT 50

US-09-924-231-1

; Sequence 1, Application US/09924231
; Patent No. US20020102644A1

GENERAL INFORMATION:

; APPLICANT: SPEAR, Patricia G.

; APPLICANT: MONTGOMERY, Rebecca I.

; TITLE OF INVENTION: HERPES VIRUS ENTRY RECEPTOR PROTEIN

; FILE REFERENCE: 0290-1

; CURRENT APPLICATION NUMBER: US/09/924,231

; CURRENT FILING DATE: 2001-08-08

; PRIOR APPLICATION NUMBER: 09/333,279

; PRIOR FILING DATE: 1999-06-15

; NUMBER OF SEQ ID NOS: 7

; SOFTWARE: PatentIn Ver. 2.0

; SEQ ID NO 1

; LENGTH: 1724

; TYPE: DNA

; ORGANISM: Homo sapiens

US-09-924-231-1

Query Match 83.2%; Score 15.8; DB 3; Length 1724;
Best Local Similarity 89.5%; Pred. No. 2,7e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1 GCGCGAGAGCCGGAACCTGC 19

Db 608 GCGCGAGAGCCGGAACCTGC 626

Search completed: January 12, 2006, 01:20:40
Job time : 485.119 secs

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OM nucleic - nucleic search, using sw model

Run on: January 11, 2006, 21:29:07 ; Search time 258.915 Seconds
(without alignments)
59.392 Million cell updates/sec

Title: US-10-086-206a-4
Perfect score: 19
Sequence: 1 gcgcgagcgccgcactgc 19

Scoring table: IDENTITY NUC
Gapop 10.0 , Gapext 1.0

Searched: 6038814 seqs, 404674181 residues

Total number of hits satisfying chosen parameters: 12077628

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Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 1000 summaries

Database : Published Applications NA New: *
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2: /cgn2_6/ptodata/2/pubpna/US06_NEW_PUB.seq: *
3: /cgn2_6/ptodata/2/pubpna/US07_NEW_PUB.seq: *
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Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match Length	ID	Description
1	15.8	83.2	1049	US-10-987-663-3
2	15	78.9	3579	US-10-858-730-143
3	15	78.9	109974	US-11-117-187-204
4	14.2	74.7	25	US-11-121-849-40715
5	14.2	74.7	25	US-11-121-849-267686
6	14.2	74.7	775	US-10-750-185-35163
7	14.2	74.7	775	US-10-750-623-35163
8	14.2	74.7	930	US-10-667-657-7411
9	14.2	74.7	935	US-10-750-185-41160
10	14.2	74.7	935	US-10-750-623-41160
11	14.2	74.7	2099	US-10-623-155-158
12	14.2	74.7	2219	US-11-000-688-560
13	14.2	74.7	2364	US-10-750-185-38086
14	14.2	74.7	2364	US-10-750-623-38086
15	14.2	74.7	2749	US-10-750-623-38086
16	14.2	74.7	3851	US-11-090-739-119
17	14.2	74.7	6200	US-10-895-011-1
18	14.2	74.7	6200	US-11-038-372-1
19	14.2	74.7	7944	US-10-821-234-451
20	14.2	74.7	10129	US-11-044-111-21
21	13.8	72.6	18	US-10-310-914A-816897
22	13.8	72.6	20	US-10-848-724-2
23	13.8	72.6	20	US-10-849-438-2

24	13.8	72.6	20	US-10-909-125-2	Sequence 2, Appl1
25	13.8	72.6	20	US-10-515-538-2	Sequence 2, Appl1
26	13.8	72.6	20	US-10-927-466-2	Sequence 2, Appl1
27	13.8	72.6	20	US-10-510-667-53	Sequence 53, Appl1
28	13.8	72.6	20	US-11-127-654-302	Sequence 302, Appl
29	13.8	72.6	20	US-11-101-017-13	Sequence 13, Appl1
30	13.8	72.6	20	US-11-111-288-11	Sequence 11, Appl1
31	13.8	72.6	20	US-11-136-818A-2	Sequence 2, Appl1
32	13.8	72.6	20	US-11-066-725-2	Sequence 2, Appl1
33	13.8	72.6	20	US-11-124-020A-8	Sequence 8, Appl1
34	13.8	72.6	20	US-11-004-762-36	Sequence 36, Appl1
35	13.8	72.6	20	US-11-072-806-24	Sequence 24, Appl1
36	13.8	72.6	20	US-11-097-928-2	Sequence 2, Appl1
37	13.8	72.6	21	US-11-001-347-2005	Sequence 2005, Ap
38	13.8	72.6	21	US-11-001-347-1823	Sequence 20037, Ap
39	13.8	72.6	23	US-11-001-347-1823	Sequence 1823, Ap
40	13.8	72.6	23	US-11-001-347-1824	Sequence 1824, Ap
41	13.8	72.6	23	US-11-001-347-1825	Sequence 1825, Ap
42	13.8	72.6	25	US-11-136-527-284853	Sequence 284853, Ap
43	13.8	72.6	443	US-11-136-527-1917	Sequence 1917, Ap
44	13.8	72.6	443	US-11-136-527-6013	Sequence 6013, Ap
45	13.8	72.6	600	US-11-136-527-6062	Sequence 6062, Ap
46	13.8	72.6	2003	US-10-750-185-25739	Sequence 25739, A
47	13.8	72.6	2003	US-10-750-623-25739	Sequence 25739, A
48	13.8	72.6	2329	US-11-136-527-1966	Sequence 1966, Ap
49	13.8	72.6	2774	US-11-000-688-1278	Sequence 1278, Ap
50	13.8	72.6	3323	US-10-131-826A-113	Sequence 113, App
51	13.8	72.6	9585	US-11-052-554A-474	Sequence 474, App
52	13.8	72.6	37507	US-10-522-037-2	Sequence 2, Appl1
53	13.8	72.6	98345	US-11-112-908-36	Sequence 36, Appl1
54	13.8	72.6	115935	US-10-775-169-241	Sequence 241, Appl
55	13.8	72.6	127430	US-11-112-908-35	Sequence 35, Appl1
56	13.8	72.6	153376	US-11-121-086-5	Sequence 5, Appl1
57	13.4	70.5	32	US-10-939-299A-16365	Sequence 16365, A
58	13.4	70.5	552	US-10-467-657-5747	Sequence 5747, Ap
59	13.4	70.5	661	US-10-750-185-46129	Sequence 46129, A
60	13.4	70.5	661	US-10-750-623-46129	Sequence 46139, A
61	13.4	70.5	692	US-11-009-658-15	Sequence 15, Appl1
62	13.4	70.5	1780	US-10-750-185-59045	Sequence 59045, A
63	13.4	70.5	1780	US-10-750-623-59045	Sequence 59045, A
64	13.4	70.5	2115	US-11-009-658-41	Sequence 41, Appl1
65	13.4	70.5	3673	US-11-136-527-246	Sequence 246, Appl
66	13.4	70.5	6384	US-11-136-527-2395	Sequence 2399, Ap
67	13.4	70.5	9616	US-10-995-561-309	Sequence 309, App
68	13.4	70.5	9626	US-10-995-561-308	Sequence 308, App
69	13.4	70.5	9636	US-10-995-561-310	Sequence 310, App
70	13.4	70.5	175100	US-11-121-086-21	Sequence 21, Appl
71	13.4	70.5	645179	US-10-995-561-13293	Sequence 13293, A
72	13.2	69.5	24	US-10-310-914A-33974	Sequence 33974, A
73	13.2	69.5	25	US-11-136-527-195848	Sequence 195848, A
74	13.2	69.5	25	US-11-136-527-195870	Sequence 195870, A
75	13.2	69.5	25	US-11-136-527-195872	Sequence 195872, A
76	13.2	69.5	25	US-11-136-527-208675	Sequence 208675, A
77	13.2	69.5	25	US-11-136-527-208703	Sequence 208703, A
78	13.2	69.5	25	US-11-136-527-136975	Sequence 136975, A
79	13.2	69.5	63	US-10-310-914A-13373	Sequence 13373, A
80	13.2	69.5	201	US-10-995-561-27889	Sequence 27889, A
81	13.2	69.5	201	US-10-995-561-72096	Sequence 72096, A
82	13.2	69.5	481	US-10-775-169-349	Sequence 349, App
83	13.2	69.5	600	US-11-136-527-6721	Sequence 4404, Ap
84	13.2	69.5	600	US-11-136-527-6721	Sequence 4404, Ap
85	13.2	69.5	600	US-11-136-527-7970	Sequence 7970, Ap
86	13.2	69.5	665	US-10-750-185-50978	Sequence 50978, A
87	13.2	69.5	665	US-10-750-623-50978	Sequence 50978, A
88	13.2	69.5	843	US-10-750-185-47734	Sequence 47734, A
89	13.2	69.5	843	US-10-750-623-47734	Sequence 47734, A
90	13.2	69.5	886	US-10-955-054A-108	Sequence 108, App
91	13.2	69.5	886	US-10-955-054A-109	Sequence 109, App
92	13.2	69.5	916	US-10-750-185-40162	Sequence 40162, A
93	13.2	69.5	916	US-10-750-623-40162	Sequence 40162, A
94	13.2	69.5	985	US-11-136-527-308	Sequence 308, App
95	13.2	69.5	1335	US-10-467-657-4577	Sequence 4577, Ap
96	13.2	69.5	1386	US-11-075-185-55	Sequence 55, Appl1

97	13.2	69.5	1407	7	US-11-136-527-3824	Sequence 3824, Ap	170	12.8	67.4	884	6	US-10-524-647-119	Sequence 119, App
98	13.2	69.5	1651	6	US-10-750-185-40134	Sequence 40134, A	171	12.8	67.4	1553	6	US-10-750-185-47849	Sequence 47849, A
99	13.2	69.5	1651	6	US-10-750-623-40134	Sequence 40134, A	172	12.8	67.4	1553	6	US-10-750-623-47849	Sequence 47849, A
100	13.2	69.5	1707	7	US-11-136-527-2625	Sequence 2625, Ap	173	12.8	67.4	1511	7	US-11-136-527-5528	Sequence 528, App
101	13.2	69.5	1870	6	US-10-750-185-38563	Sequence 38563, A	174	12.8	67.4	1510	6	US-10-980-388-31	Sequence 31, App
102	13.2	69.5	1870	6	US-10-750-623-38563	Sequence 38563, A	175	12.8	67.4	1776	6	US-10-980-234-233	Sequence 233, App
103	13.2	69.5	1887	6	US-10-467-657-1129	Sequence 1129, Ap	176	12.8	67.4	1778	6	US-10-980-388-54	Sequence 54, App
104	13.2	69.5	1920	7	US-11-052-554A-549	Sequence 549, App	177	12.8	67.4	2183	6	US-10-750-185-45094	Sequence 45094, A
105	13.2	69.5	2158	6	US-10-909-125-805	Sequence 805, App	178	12.8	67.4	2183	6	US-10-750-623-45094	Sequence 45094, A
106	13.2	69.5	2167	7	US-11-136-527-2430	Sequence 2430, Ap	179	12.8	67.4	2396	6	US-10-821-234-315	Sequence 315, App
107	13.2	69.5	2184	6	US-10-467-657-1441	Sequence 1441, Ap	180	12.8	67.4	2889	6	US-10-750-185-49687	Sequence 49687, A
108	13.2	69.5	2244	7	US-11-136-527-78	Sequence 78, App	181	12.8	67.4	2889	6	US-10-750-623-49687	Sequence 49687, A
109	13.2	69.5	2812	6	US-10-750-185-32310	Sequence 32310, A	182	12.8	67.4	3245	6	US-10-454-437-359	Sequence 359, App
110	13.2	69.5	2812	6	US-10-750-623-32310	Sequence 32310, A	183	12.8	67.4	37507	6	US-11-121-037-2	Sequence 2, App
111	13.2	69.5	2952	6	US-10-750-185-52511	Sequence 52511, A	184	12.8	67.4	98862	7	US-11-121-086-76	Sequence 76, App
112	13.2	69.5	2952	6	US-10-750-623-52511	Sequence 52511, A	185	12.8	67.4	124972	7	US-11-121-086-100	Sequence 100, App
113	13.2	69.5	3673	7	US-11-136-527-246	Sequence 246, App	186	12.8	67.4	150481	7	US-11-112-908-37	Sequence 37, App
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117	13.2	69.5	6469	7	US-11-136-527-3814	Sequence 3814, Ap	190	12.8	67.4	179892	7	US-11-112-908-33	Sequence 39, App
118	13.2	69.5	14172	7	US-11-075-185-2	Sequence 2, App	191	12.8	67.4	611587	7	US-11-112-908-33	Sequence 209, App
119	13.2	69.5	28552	6	US-10-995-561-13258	Sequence 13258, A	192	12.6	66.3	21	6	US-10-310-914A-672034	Sequence 672034, A
120	13.2	69.5	28552	6	US-10-995-561-13477	Sequence 13477, A	193	12.6	66.3	21	6	US-10-310-914A-1041527	Sequence 1041527, A
121	13.2	69.5	37500	6	US-10-522-037-1	Sequence 1, App	194	12.6	66.3	24	6	US-10-310-914A-22558	Sequence 22558, A
122	13.2	69.5	47941	6	US-10-995-561-13430	Sequence 13430, A	195	12.6	66.3	25	7	US-11-121-849-96143	Sequence 96143, A
123	13.2	69.5	53338	6	US-10-995-561-13243	Sequence 13243, A	196	12.6	66.3	25	7	US-11-121-849-459590	Sequence 459590, A
124	13.2	69.5	77246	7	US-11-124-368A-2907	Sequence 2907, Ap	197	12.6	66.3	67	6	US-10-310-914A-6608	Sequence 6608, Ap
125	13.2	69.5	116856	7	US-11-143-980-1	Sequence 1, App	198	12.6	66.3	77	6	US-10-310-914A-1957	Sequence 1957, App
126	13.2	69.5	149419	7	US-11-112-908-49	Sequence 49, App	199	12.6	66.3	201	6	US-10-995-561-8954	Sequence 8954, Ap
127	13.2	69.5	150468	7	US-11-112-908-56	Sequence 56, App	200	12.6	66.3	201	6	US-10-995-561-8955	Sequence 8955, Ap
128	13.2	69.5	161726	7	US-11-112-908-48	Sequence 48, App	201	12.6	66.3	201	6	US-10-995-561-8960	Sequence 8960, Ap
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130	13.2	69.5	161994	7	US-11-112-908-57	Sequence 57, App	203	12.6	66.3	201	6	US-10-995-561-48193	Sequence 48193, A
131	13.2	69.5	162085	7	US-11-121-086-7	Sequence 7, App	204	12.6	66.3	201	6	US-10-995-561-69421	Sequence 69421, A
132	13.2	69.5	166111	7	US-11-112-908-47	Sequence 47, App	205	12.6	66.3	201	6	US-10-995-561-69423	Sequence 69423, A
133	13.2	69.5	193789	7	US-11-112-908-20	Sequence 20, App	206	12.6	66.3	201	6	US-10-995-561-72583	Sequence 72583, A
134	13.2	69.5	193789	7	US-11-112-908-55	Sequence 55, App	207	12.6	66.3	201	6	US-10-995-561-72589	Sequence 72589, A
135	13.2	69.5	1080000	6	US-10-928-446A-1	Sequence 1, App	208	12.6	66.3	201	6	US-10-995-561-72604	Sequence 72604, A
136	13.2	69.5	1080000	6	US-10-928-446A-181	Sequence 181, App	209	12.6	66.3	201	6	US-10-995-561-72609	Sequence 72609, A
137	13.2	69.5	1080000	6	US-10-928-446A-183	Sequence 183, App	210	12.6	66.3	201	6	US-10-995-561-84367	Sequence 84367, A
138	13.2	69.5	1080000	6	US-10-928-446A-185	Sequence 185, App	211	12.6	66.3	201	6	US-10-995-561-84367	Sequence 84367, A
139	13.2	69.5	1080000	6	US-10-928-446A-187	Sequence 187, App	212	12.6	66.3	201	6	US-10-995-561-84546	Sequence 84546, A
140	13.2	69.5	1080000	6	US-10-928-446A-189	Sequence 189, App	213	12.6	66.3	201	6	US-10-995-561-84577	Sequence 84577, A
141	13.2	69.5	1080000	6	US-10-928-446A-191	Sequence 191, App	214	12.6	66.3	201	7	US-11-124-368A-9553	Sequence 9553, App
142	13.2	69.5	1080000	6	US-10-928-446A-193	Sequence 193, App	215	12.6	66.3	404	7	US-11-108-172-639	Sequence 639, App
143	13.2	69.5	1080000	6	US-10-928-446A-195	Sequence 195, App	216	12.6	66.3	410	7	US-11-198-847-49	Sequence 49, App
144	13.2	69.5	1080000	6	US-10-928-446A-197	Sequence 197, App	217	12.6	66.3	428	7	US-11-084-085-57	Sequence 57, App
145	13.2	69.5	1080000	6	US-10-928-446A-199	Sequence 199, App	218	12.6	66.3	450	7	US-11-198-847-148	Sequence 148, App
146	13.2	69.5	1080000	6	US-10-928-446A-201	Sequence 201, App	219	12.6	66.3	476	7	US-11-128-061-735	Sequence 735, App
147	13	68.4	598	6	US-10-750-185-20558	Sequence 20558, A	220	12.6	66.3	476	7	US-11-128-061-4377	Sequence 4377, App
148	13	68.4	598	6	US-10-750-623-20558	Sequence 20558, A	221	12.6	66.3	481	7	US-11-009-658-17	Sequence 17, App
149	12.8	67.4	18	6	US-10-310-914A-1215799	Sequence 1215799, A	222	12.6	66.3	481	7	US-11-198-847-223	Sequence 223, App
150	12.8	67.4	19	6	US-10-310-914A-737980	Sequence 737980, A	223	12.6	66.3	600	6	US-10-750-185-4704	Sequence 4704, Ap
151	12.8	67.4	20	6	US-10-310-914A-1356759	Sequence 1356759, A	224	12.6	66.3	600	6	US-10-750-185-20097	Sequence 20097, A
152	12.8	67.4	21	7	US-11-001-347-2004	Sequence 2004, Ap	225	12.6	66.3	600	6	US-10-750-185-20730	Sequence 20730, A
153	12.8	67.4	21	7	US-11-001-347-2036	Sequence 2036, Ap	226	12.6	66.3	600	6	US-10-750-623-4704	Sequence 4704, Ap
154	12.8	67.4	23	6	US-10-310-914A-1356760	Sequence 1356760, A	227	12.6	66.3	600	6	US-10-750-623-20097	Sequence 20097, A
155	12.8	67.4	23	7	US-11-001-347-1822	Sequence 1822, Ap	228	12.6	66.3	600	6	US-10-750-623-20730	Sequence 20730, A
156	12.8	67.4	24	6	US-10-310-914A-132224	Sequence 132224, A	229	12.6	66.3	600	7	US-11-136-527-6203	Sequence 6203, Ap
157	12.8	67.4	25	7	US-11-121-849-306307	Sequence 306307, A	230	12.6	66.3	600	7	US-11-136-527-6881	Sequence 6881, Ap
158	12.8	67.4	25	7	US-11-136-527-231245	Sequence 231245, A	231	12.6	66.3	608	7	US-11-112-908-4377	Sequence 4377, App
159	12.8	67.4	25	7	US-11-136-527-316985	Sequence 316985, A	232	12.6	66.3	630	6	US-10-67-657-4385	Sequence 4385, Ap
160	12.8	67.4	32	6	US-10-939-294A-19869	Sequence 19869, A	233	12.6	66.3	658	7	US-11-136-527-1376	Sequence 1376, Ap
161	12.8	67.4	72	6	US-10-310-914A-16942	Sequence 16942, A	234	12.6	66.3	658	7	US-11-136-527-5472	Sequence 5472, Ap
162	12.8	67.4	300	6	US-10-802-796-79	Sequence 79, App	235	12.6	66.3	715	6	US-10-750-185-49751	Sequence 49751, A
163	12.8	67.4	578	7	US-11-128-061-165	Sequence 165, App	236	12.6	66.3	715	6	US-10-750-623-49751	Sequence 49751, A
164	12.8	67.4	578	7	US-11-128-061-3807	Sequence 3807, App	237	12.6	66.3	784	7	US-11-112-908-4377	Sequence 4377, App
165	12.8	67.4	600	6	US-10-750-185-1432	Sequence 1432, Ap	238	12.6	66.3	800	7	US-11-112-908-503	Sequence 503, App
166	12.8	67.4	600	6	US-10-750-623-1432	Sequence 1432, Ap	239	12.6	66.3	870	6	US-10-750-185-59100	Sequence 59100, A
167	12.8	67.4	600	7	US-11-136-527-4624	Sequence 4624, Ap	240	12.6	66.3	870	6	US-10-750-623-59100	Sequence 59100, A
168	12.8	67.4	600	7	US-11-136-527-4892	Sequence 4892, Ap	241	12.6	66.3	920	6	US-10-432-483-9	Sequence 9, App
169	12.8	67.4	693	7	US-11-136-527-796	Sequence 796, App	242	12.6	66.3	920	6	US-10-750-185-56926	Sequence 56926, A

C 243	12.6	66.3	920	6	US-10-750-623-56926	Sequence 56926, A	C 316	12.6	66.3	2738	6	US-10-750-623-28195	Sequence 28195, A
C 244	12.6	66.3	960	7	US-11-212-443-67	Sequence 67, Appl	C 317	12.6	66.3	2908	6	US-10-750-185-44046	Sequence 44046, A
C 245	12.6	66.3	990	6	US-10-467-657-1491	Sequence 1491, Ap	C 318	12.6	66.3	2908	6	US-10-750-623-44046	Sequence 44046, A
C 246	12.6	66.3	1008	7	US-11-165-226-117	Sequence 117, App	C 319	12.6	66.3	2931	6	US-10-750-185-34628	Sequence 34628, A
C 247	12.6	66.3	1020	7	US-11-055-822-407	Sequence 407, App	C 320	12.6	66.3	2931	6	US-10-750-623-34628	Sequence 34628, A
C 248	12.6	66.3	1087	6	US-10-750-185-53931	Sequence 53931, A	C 321	12.6	66.3	3002	6	US-10-750-623-34628	Sequence 34628, A
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C 251	12.6	66.3	1110	6	US-10-750-185-40687	Sequence 40687, A	C 324	12.6	66.3	3099	7	US-11-185-567-1	Sequence 1, Appl
C 252	12.6	66.3	1110	6	US-10-750-623-40687	Sequence 40687, A	C 325	12.6	66.3	3124	7	US-11-055-822-311	Sequence 311, App
C 253	12.6	66.3	1156	7	US-11-186-284-5	Sequence 5, Appl1	C 326	12.6	66.3	3245	6	US-10-750-185-48135	Sequence 48135, A
C 254	12.6	66.3	1156	7	US-11-055-309A-1	Sequence 1, Appl1	C 327	12.6	66.3	3245	6	US-10-750-623-48135	Sequence 48135, A
C 255	12.6	66.3	1157	7	US-11-055-309A-3	Sequence 3, Appl1	C 328	12.6	66.3	3295	6	US-10-793-623-3676	Sequence 3676, Ap
C 256	12.6	66.3	1165	7	US-11-112-908-402	Sequence 402, App	C 329	12.6	66.3	3318	6	US-10-793-626-4114	Sequence 4114, Ap
C 257	12.6	66.3	1169	6	US-10-750-185-64316	Sequence 64316, A	C 330	12.6	66.3	3379	6	US-11-055-822-307	Sequence 307, App
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C 259	12.6	66.3	1201	6	US-10-750-185-35835	Sequence 35835, A	C 332	12.6	66.3	3550	6	US-10-750-623-50454	Sequence 50454, A
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C 261	12.6	66.3	1209	6	US-10-858-730-58	Sequence 58, Appl	C 334	12.6	66.3	4067	6	US-10-750-185-60833	Sequence 60833, A
C 262	12.6	66.3	1276	6	US-10-750-185-38390	Sequence 38390, A	C 335	12.6	66.3	4367	6	US-10-750-623-60833	Sequence 60833, A
C 263	12.6	66.3	1276	6	US-10-750-623-38390	Sequence 38390, A	C 336	12.6	66.3	4509	7	US-11-087-100-5	Sequence 5, Appl1
C 264	12.6	66.3	1279	7	US-11-000-463-3	Sequence 3, Appl1	C 337	12.6	66.3	4509	7	US-11-087-084-5	Sequence 5, Appl1
C 265	12.6	66.3	1355	7	US-11-000-688-1237	Sequence 1237, Ap	C 338	12.6	66.3	4509	7	US-11-087-084-5	Sequence 5, Appl1
C 266	12.6	66.3	1381	7	US-11-000-463-475	Sequence 475, App	C 339	12.6	66.3	4511	7	US-11-000-688-440	Sequence 440, App
C 267	12.6	66.3	1400	7	US-11-136-527-7594	Sequence 7594, Ap	C 340	12.6	66.3	4511	7	US-11-136-527-2105	Sequence 2105, Ap
C 268	12.6	66.3	1410	6	US-10-467-657-6539	Sequence 6539, Ap	C 341	12.6	66.3	5290	7	US-11-150-888-11	Sequence 11, Appl
C 269	12.6	66.3	1424	7	US-11-136-527-3498	Sequence 3498, Ap	C 342	12.6	66.3	5290	7	US-11-110-204-1	Sequence 1, Appl1
C 270	12.6	66.3	1425	6	US-10-750-185-59568	Sequence 59568, A	C 343	12.6	66.3	5315	6	US-10-517-605-14	Sequence 14, Appl
C 271	12.6	66.3	1425	6	US-10-750-623-59568	Sequence 59568, A	C 344	12.6	66.3	5515	7	US-11-055-309A-2	Sequence 2, Appl1
C 272	12.6	66.3	1434	6	US-10-750-185-60834	Sequence 60834, A	C 345	12.6	66.3	5515	7	US-11-136-527-2714	Sequence 2714, Ap
C 273	12.6	66.3	1434	6	US-10-750-623-60834	Sequence 60834, A	C 346	12.6	66.3	5745	6	US-10-750-185-54380	Sequence 54380, A
C 274	12.6	66.3	1494	6	US-10-750-185-36226	Sequence 36226, A	C 347	12.6	66.3	5745	6	US-10-750-623-54380	Sequence 54380, A
C 275	12.6	66.3	1494	6	US-10-750-623-36226	Sequence 36226, A	C 348	12.6	66.3	5982	7	US-11-034-771-1	Sequence 1, Appl1
C 276	12.6	66.3	1511	6	US-10-750-185-62388	Sequence 62388, A	C 349	12.6	66.3	6058	6	US-10-770-726-17	Sequence 17, Appl
C 277	12.6	66.3	1511	6	US-10-750-185-62388	Sequence 62388, A	C 350	12.6	66.3	6058	6	US-11-075-185-38	Sequence 38, Appl
C 278	12.6	66.3	1512	7	US-11-087-100-31	Sequence 31, Appl	C 351	12.6	66.3	6341	6	US-10-432-483-49	Sequence 49, Appl
C 279	12.6	66.3	1512	7	US-11-087-084-31	Sequence 31, Appl	C 352	12.6	66.3	8537	7	US-10-240-708-41	Sequence 41, Appl
C 280	12.6	66.3	1512	7	US-11-087-085-31	Sequence 31, Appl	C 353	12.6	66.3	10494	8	US-11-174-186-40	Sequence 40, Appl
C 281	12.6	66.3	1512	7	US-11-075-185-56	Sequence 56, Appl	C 354	12.6	66.3	10968	7	US-11-075-185-35	Sequence 35, Appl
C 282	12.6	66.3	1532	6	US-10-750-185-59092	Sequence 59092, A	C 355	12.6	66.3	12507	7	US-11-136-527-247	Sequence 247, Ap
C 283	12.6	66.3	1532	6	US-10-750-623-59092	Sequence 59092, A	C 356	12.6	66.3	13187	7	US-11-136-527-3552	Sequence 3585, Ap
C 284	12.6	66.3	1550	6	US-10-750-185-53704	Sequence 53704, A	C 357	12.6	66.3	14172	7	US-11-075-185-2	Sequence 2, Appl1
C 285	12.6	66.3	1550	6	US-10-750-623-53704	Sequence 53704, A	C 358	12.6	66.3	17517	7	US-11-136-527-3650	Sequence 3650, Ap
C 286	12.6	66.3	1552	7	US-11-136-527-2107	Sequence 2107, Ap	C 359	12.6	66.3	23983	6	US-10-995-561-13412	Sequence 13491, A
C 287	12.6	66.3	1559	6	US-10-750-185-38168	Sequence 38168, A	C 360	12.6	66.3	25257	6	US-10-995-561-13412	Sequence 13412, A
C 288	12.6	66.3	1559	6	US-10-750-623-38168	Sequence 38168, A	C 361	12.6	66.3	34875	6	US-10-775-169-316	Sequence 316, App
C 289	12.6	66.3	1635	6	US-10-467-657-1407	Sequence 1407, Ap	C 362	12.6	66.3	37500	6	US-10-522-037-1	Sequence 1, Appl1
C 290	12.6	66.3	1701	6	US-10-750-185-41876	Sequence 41876, A	C 363	12.6	66.3	46752	6	US-10-995-561-13410	Sequence 13410, A
C 291	12.6	66.3	1701	6	US-10-750-623-41876	Sequence 41876, A	C 364	12.6	66.3	78669	7	US-11-075-185-1	Sequence 1, Appl1
C 292	12.6	66.3	1726	7	US-11-108-528-35	Sequence 35, Appl	C 365	12.6	66.3	86361	6	US-10-995-561-13364	Sequence 13364, A
C 293	12.6	66.3	1760	6	US-10-750-185-25828	Sequence 25828, A	C 366	12.6	66.3	88421	7	US-11-205-109-1	Sequence 1, Appl1
C 294	12.6	66.3	1760	6	US-10-750-623-25828	Sequence 25828, A	C 367	12.6	66.3	88421	7	US-11-205-109-1	Sequence 1, Appl1
C 295	12.6	66.3	1791	7	US-11-063-443-9	Sequence 9, Appl1	C 368	12.6	66.3	100000	7	US-11-124-368A-2913	Sequence 2913, Ap
C 296	12.6	66.3	1860	7	US-11-212-443-69	Sequence 69, Appl	C 369	12.6	66.3	116856	7	US-11-143-980-1	Sequence 1, Appl1
C 297	12.6	66.3	1898	7	US-11-136-527-2690	Sequence 2690, Ap	C 370	12.6	66.3	119740	7	US-11-121-086-12	Sequence 12, Appl
C 298	12.6	66.3	1968	7	US-10-750-185-45399	Sequence 45399, A	C 371	12.6	66.3	127340	7	US-11-121-086-27	Sequence 27, Appl
C 299	12.6	66.3	1968	6	US-10-750-623-45399	Sequence 45399, A	C 372	12.6	66.3	153142	7	US-11-121-086-27	Sequence 27, Appl
C 300	12.6	66.3	1987	7	US-11-136-527-2689	Sequence 2689, Ap	C 373	12.6	66.3	155515	7	US-11-112-908-42	Sequence 42, Appl
C 301	12.6	66.3	2041	7	US-11-009-658-43	Sequence 43, Appl	C 374	12.6	66.3	155660	7	US-11-112-908-43	Sequence 43, Appl
C 302	12.6	66.3	2133	7	US-11-045-802-10	Sequence 10, Appl	C 375	12.6	66.3	164810	7	US-11-121-086-4	Sequence 4, Appl1
C 303	12.6	66.3	2133	6	US-10-750-185-48999	Sequence 48999, A	C 376	12.6	66.3	168656	7	US-11-112-908-59	Sequence 59, Appl
C 304	12.6	66.3	2173	6	US-10-750-623-48999	Sequence 48999, A	C 377	12.6	66.3	170285	7	US-11-112-908-58	Sequence 58, Appl
C 305	12.6	66.3	2331	6	US-10-467-657-2473	Sequence 2473, Ap	C 378	12.6	66.3	171936	6	US-10-933-023-24	Sequence 24, Appl
C 306	12.6	66.3	2355	7	US-11-112-908-15	Sequence 15, Appl	C 379	12.6	66.3	171936	6	US-10-933-023-24	Sequence 24, Appl
C 307	12.6	66.3	2418	6	US-10-750-185-55978	Sequence 55978, A	C 380	12.6	66.3	172543	7	US-11-121-086-6	Sequence 6, Appl1
C 308	12.6	66.3	2448	6	US-10-750-623-55978	Sequence 55978, A	C 381	12.6	66.3	175602	7	US-11-121-086-25	Sequence 25, Appl
C 309	12.6	66.3	2478	6	US-10-947-249-110	Sequence 110, App	C 382	12.6	66.3	175633	7	US-11-121-086-55	Sequence 55, Appl
C 310	12.6	66.3	2543	6	US-10-821-234-749	Sequence 749, App	C 383	12.6	66.3	177623	7	US-11-112-908-41	Sequence 41, Appl
C 311	12.6	66.3	2557	7	US-11-080-991-5	Sequence 5, Appl1	C 384	12.6	66.3	179587	7	US-11-121-086-91	Sequence 91, Appl
C 312	12.6	66.3	2672	6	US-10-989-718-1	Sequence 1, Appl1	C 385	12.6	66.3	191091	7	US-11-121-086-60	Sequence 60, Appl
C 313	12.6	66.3	2681	6	US-11-000-688-1036	Sequence 1036, Ap	C 386	12.6	66.3	220895	6	US-10-775-169-88	Sequence 88, Appl
C 314	12.6	66.3	2736	6	US-10-775-169-67	Sequence 67, Appl	C 387	12.6	66.3	340000	7	US-11-102-978-3	Sequence 3, Appl1
C 315	12.6	66.3	2738	6	US-10-750-185-28195	Sequence 28195, A	C 388	12.6	66.3	18	6	US-10-310-914A-1293733	Sequence 1293733, A

C 389	12.4	65.3	19	6	US-10-310-914A-215842	Sequence 215842,	462	12.4	65.3	1770	6	US-10-750-623-43281	Sequence 43281, A
C 390	12.4	65.3	19	8	US-10-310-914A-772458	Sequence 772458,	463	12.4	65.3	1769	6	US-10-947-249-135	Sequence 135, App
C 391	12.4	65.3	19	8	US-11-101-244-314502	Sequence 314502,	464	12.4	65.3	1925	6	US-10-909-125-815	Sequence 815, App
C 392	12.4	65.3	19	8	US-11-101-244-314525	Sequence 314525,	465	12.4	65.3	2066	6	US-10-750-185-28332	Sequence 28332, A
C 393	12.4	65.3	19	8	US-11-101-244-314544	Sequence 314544,	466	12.4	65.3	2066	6	US-10-750-623-28332	Sequence 28332, A
C 394	12.4	65.3	19	8	US-11-101-244-604372	Sequence 604372,	467	12.4	65.3	2072	6	US-10-750-185-36778	Sequence 36778, A
C 395	12.4	65.3	19	8	US-11-101-244-1040599	Sequence 1040599,	468	12.4	65.3	2072	6	US-10-750-623-36778	Sequence 36778, A
C 396	12.4	65.3	19	8	US-11-101-244-1366711	Sequence 1366711,	469	12.4	65.3	2264	7	US-11-184-380-8	Sequence 8, Appl1
C 397	12.4	65.3	19	9	US-11-083-784-314502	Sequence 314502,	470	12.4	65.3	2264	7	US-11-184-380-9	Sequence 9, Appl1
C 398	12.4	65.3	19	9	US-11-083-784-314525	Sequence 314525,	471	12.4	65.3	2267	7	US-11-184-380-7	Sequence 7, Appl1
C 399	12.4	65.3	19	9	US-11-083-784-314544	Sequence 314544,	472	12.4	65.3	2233	6	US-10-689-742-12	Sequence 12, Appl1
C 400	12.4	65.3	19	9	US-11-083-784-603372	Sequence 603372,	473	12.4	65.3	2780	6	US-11-094-519K-17	Sequence 17, Appl1
C 401	12.4	65.3	19	9	US-11-083-784-1040599	Sequence 1040599,	474	12.4	65.3	2783	6	US-10-750-185-37346	Sequence 37346, A
C 402	12.4	65.3	19	9	US-11-083-784-1366711	Sequence 1366711,	475	12.4	65.3	2837	6	US-10-750-623-37346	Sequence 37346, A
C 403	12.4	65.3	20	6	US-10-310-914A-142578	Sequence 142578,	476	12.4	65.3	2837	6	US-10-131-826A-229	Sequence 229, App
C 404	12.4	65.3	20	6	US-10-310-914A-964936	Sequence 964936,	477	12.4	65.3	2899	6	US-11-094-519K-16	Sequence 16, Appl1
C 405	12.4	65.3	22	6	US-10-310-914A-215843	Sequence 215843,	478	12.4	65.3	3366	6	US-10-995-561-270	Sequence 270, App
C 406	12.4	65.3	22	6	US-10-310-914A-53427	Sequence 53427,	479	12.4	65.3	3419	6	US-10-750-185-52027	Sequence 52027, A
C 407	12.4	65.3	23	6	US-10-310-914A-222628	Sequence 222628,	480	12.4	65.3	3419	6	US-10-750-623-52027	Sequence 52027, A
C 408	12.4	65.3	23	6	US-10-310-914A-278259	Sequence 278259,	481	12.4	65.3	3667	6	US-10-750-185-25113	Sequence 25113, A
C 409	12.4	65.3	24	6	US-10-750-185-16113	Sequence 16113, A	482	12.4	65.3	3667	6	US-10-750-623-25113	Sequence 25113, A
C 410	12.4	65.3	24	6	US-10-750-623-16113	Sequence 16113, A	483	12.4	65.3	4414	7	US-11-136-527-2918	Sequence 35, Appl1
C 411	12.4	65.3	24	6	US-10-310-914A-964917	Sequence 964917,	484	12.4	65.3	4642	7	US-11-145-035-35	Sequence 1, Appl1
C 412	12.4	65.3	25	7	US-11-121-849-25644	Sequence 25644, A	485	12.4	65.3	4652	7	US-11-184-380-1	Sequence 269, App
C 413	12.4	65.3	25	7	US-11-121-849-267687	Sequence 267687,	486	12.4	65.3	4786	6	US-10-995-561-269	Sequence 130, App
C 414	12.4	65.3	25	7	US-11-121-849-627500	Sequence 627500,	487	12.4	65.3	5136	6	US-10-623-155-130	Sequence 60453, A
C 415	12.4	65.3	25	7	US-11-136-527-172641	Sequence 172641,	488	12.4	65.3	5510	6	US-10-750-185-60453	Sequence 60453, A
C 416	12.4	65.3	62	6	US-10-310-914A-4268	Sequence 4268, Ap	489	12.4	65.3	5510	6	US-10-750-623-60453	Sequence 2815, Ap
C 417	12.4	65.3	80	6	US-10-310-914A-17131	Sequence 17131, A	490	12.4	65.3	5545	7	US-11-136-527-2815	Sequence 218, App
C 418	12.4	65.3	83	6	US-10-310-914A-1332	Sequence 1332, Ap	491	12.4	65.3	7006	6	US-10-821-234-218	Sequence 13453, A
C 419	12.4	65.3	84	6	US-10-310-914A-17069	Sequence 17069, A	492	12.4	65.3	12405	6	US-10-995-561-13441	Sequence 13453, A
C 420	12.4	65.3	86	6	US-10-310-914A-19423	Sequence 19423, A	493	12.4	65.3	13242	6	US-10-995-561-13441	Sequence 13441, A
C 421	12.4	65.3	88	6	US-10-310-914A-7534	Sequence 7534, Ap	494	12.4	65.3	16633	6	US-10-995-561-13386	Sequence 13386, A
C 422	12.4	65.3	101	6	US-10-310-914A-8790	Sequence 8790, Ap	495	12.4	65.3	18286	6	US-10-995-561-13386	Sequence 13376, A
C 423	12.4	65.3	201	6	US-10-995-561-8240	Sequence 8240, Ap	496	12.4	65.3	46878	6	US-10-995-561-13276	Sequence 1, Appl1
C 424	12.4	65.3	201	6	US-10-995-561-8253	Sequence 8253, Ap	497	12.4	65.3	92600	6	US-10-857-780-1	Sequence 30, Appl1
C 425	12.4	65.3	201	6	US-10-995-561-37309	Sequence 37309, A	498	12.4	65.3	14389	7	US-11-112-908-30	Sequence 28, Appl1
C 426	12.4	65.3	201	6	US-10-995-561-19686	Sequence 49686, A	499	12.4	65.3	150314	7	US-11-112-908-24	Sequence 24, Appl1
C 427	12.4	65.3	201	6	US-10-995-561-60755	Sequence 60755, A	500	12.4	65.3	166020	7	US-11-112-908-28	Sequence 28, Appl1
C 428	12.4	65.3	201	6	US-10-995-561-66914	Sequence 66914, A	501	12.4	65.3	172111	7	US-11-121-086-28	Sequence 78, Appl1
C 429	12.4	65.3	201	6	US-10-995-561-73077	Sequence 73077, A	502	12.4	65.3	189993	7	US-11-121-086-78	Sequence 60, Appl1
C 430	12.4	65.3	201	6	US-10-995-561-74152	Sequence 74152, A	503	12.4	65.3	191091	7	US-11-121-086-60	Sequence 2, Appl1
C 431	12.4	65.3	366	6	US-10-467-657-7435	Sequence 7435, Ap	504	12.4	65.3	191684	7	US-11-121-086-2	Sequence 19, Appl1
C 432	12.4	65.3	554	7	US-11-136-527-0043	Sequence 4043, Ap	505	12.4	65.3	212805	7	US-11-112-908-19	Sequence 1, Appl1
C 433	12.4	65.3	554	7	US-11-136-527-8139	Sequence 8139, Ap	506	12.4	65.3	1691140	7	US-11-101-091-016-1	Sequence 44897, A
C 434	12.4	65.3	600	6	US-10-750-185-1509	Sequence 1509, Ap	507	12.2	64.2	197	8	US-11-101-244-44897	Sequence 44897, A
C 435	12.4	65.3	600	6	US-10-750-623-1509	Sequence 1509, Ap	508	12.2	64.2	197	8	US-10-310-914A-743144	Sequence 1294509, A
C 436	12.4	65.3	963	6	US-10-821-334-775	Sequence 775, App	509	12.2	64.2	21	6	US-10-310-914A-128459	Sequence 242042, A
C 437	12.4	65.3	969	6	US-10-750-185-51289	Sequence 51289, A	510	12.2	64.2	23	6	US-10-310-914A-242042	Sequence 185092, A
C 438	12.4	65.3	969	6	US-10-750-623-51289	Sequence 51289, A	511	12.2	64.2	24	6	US-11-121-849-185092	Sequence 332142, A
C 439	12.4	65.3	966	6	US-10-750-185-41407	Sequence 41407, A	512	12.2	64.2	25	7	US-11-121-849-255405	Sequence 32142, A
C 440	12.4	65.3	986	6	US-10-750-623-41407	Sequence 41407, A	513	12.2	64.2	25	7	US-11-121-849-32142	Sequence 371112, A
C 441	12.4	65.3	991	7	US-11-112-908-379	Sequence 379, App	514	12.2	64.2	25	7	US-11-121-849-371112	Sequence 404979, A
C 442	12.4	65.3	1036	6	US-10-857-613-2	Sequence 2, Appl1	515	12.2	64.2	25	7	US-11-121-849-404979	Sequence 510038, A
C 443	12.4	65.3	1069	6	US-10-750-185-35788	Sequence 35788, A	516	12.2	64.2	25	7	US-11-121-849-510038	Sequence 201205, A
C 444	12.4	65.3	1069	6	US-10-750-623-35788	Sequence 35788, A	517	12.2	64.2	25	7	US-11-136-527-201205	Sequence 331659, A
C 445	12.4	65.3	1351	6	US-10-750-185-44890	Sequence 44890, A	518	12.2	64.2	25	7	US-11-136-527-331659	Sequence 184557, A
C 446	12.4	65.3	1351	6	US-10-750-623-44890	Sequence 44890, A	519	12.2	64.2	26	6	US-10-310-914A-184557	Sequence 1154392, A
C 447	12.4	65.3	1358	7	US-11-136-527-214	Sequence 214, App	520	12.2	64.2	26	6	US-10-310-914A-184557	Sequence 289457, A
C 448	12.4	65.3	1358	7	US-11-136-527-4310	Sequence 4310, Ap	521	12.2	64.2	28	6	US-10-310-914A-288457	Sequence 109933, A
C 449	12.4	65.3	1400	7	US-11-136-527-6659	Sequence 6659, Ap	522	12.2	64.2	63	6	US-10-310-914A-10993	Sequence 19925, A
C 450	12.4	65.3	1404	6	US-10-517-939-303	Sequence 303, App	523	12.2	64.2	79	6	US-10-310-914A-19925	Sequence 8, Appl1
C 451	12.4	65.3	1515	7	US-11-136-527-2563	Sequence 2563, Ap	524	12.2	64.2	102	7	US-11-056-579-8	Sequence 3513, App
C 452	12.4	65.3	1526	6	US-11-136-527-2928	Sequence 2928, Ap	525	12.2	64.2	102	7	US-10-467-657-3513	Sequence 8950, Ap
C 453	12.4	65.3	1539	6	US-10-454-437-129	Sequence 129, App	526	12.2	64.2	195	6	US-10-995-561-12576	Sequence 12582, A
C 454	12.4	65.3	1539	6	US-10-454-437-131	Sequence 131, App	527	12.2	64.2	201	6	US-10-995-561-12582	Sequence 12588, A
C 455	12.4	65.3	1539	6	US-10-517-939-235	Sequence 235, App	528	12.2	64.2	201	6	US-10-995-561-12586	Sequence 12586, A
C 456	12.4	65.3	1565	6	US-10-821-234-338	Sequence 338, App	529	12.2	64.2	201	6	US-10-995-561-12596	Sequence 12596, A
C 457	12.4	65.3	1661	6	US-10-947-249-109	Sequence 109, App	530	12.2	64.2	201	6	US-10-995-561-12602	Sequence 12602, A
C 458	12.4	65.3	1661	6	US-11-000-688-1061	Sequence 1061, Ap	531	12.2	64.2	201	6	US-10-995-561-12608	Sequence 12608, A
C 459	12.4	65.3	1667	6	US-10-750-185-28489	Sequence 28489, A	532	12.2	64.2	201	6	US-10-995-561-12608	Sequence 12608, A
C 460	12.4	65.3	1667	6	US-10-750-623-28489	Sequence 28489, A	533	12.2	64.2	201	6	US-10-995-561-14381	Sequence 14381, A
C 461	12.4	65.3	1730	6	US-10-750-185-43281	Sequence 43281, A	534	12.2	64.2	201	6	US-10-995-561-14381	Sequence 14381, A

535	12.2	64.2	201	6	US-10-995-561-17572	Sequence 17572, A	c 608	12.2	64.2	1293	7	US-11-150-533-42	Sequence 42, App1
536	12.2	64.2	201	6	US-10-995-561-48180	Sequence 48180, A	c 609	12.2	64.2	1317	7	US-11-052-554A-689	Sequence 689, App
537	12.2	64.2	201	6	US-10-995-561-48712	Sequence 48712, A	c 610	12.2	64.2	1335	6	US-10-467-657-6193	Sequence 6193, Ap
538	12.2	64.2	201	6	US-10-995-561-49205	Sequence 49205, A	c 611	12.2	64.2	1372	6	US-10-995-561-311	Sequence 311, App
539	12.2	64.2	201	6	US-10-995-561-49208	Sequence 49208, A	c 612	12.2	64.2	1379	7	US-11-132-864-4	Sequence 4, App11
540	12.2	64.2	201	6	US-10-995-561-49208	Sequence 49208, A	c 613	12.2	64.2	1390	7	US-11-136-527-2434	Sequence 2434, Ap
541	12.2	64.2	201	6	US-10-995-561-54557	Sequence 54557, A	c 614	12.2	64.2	1395	6	US-11-136-527-6530	Sequence 6530, Ap
542	12.2	64.2	201	6	US-10-995-561-62600	Sequence 62600, A	c 615	12.2	64.2	1396	6	US-10-750-185-556276	Sequence 556276, A
543	12.2	64.2	201	6	US-10-995-561-63291	Sequence 63291, A	c 616	12.2	64.2	1395	6	US-10-750-623-525276	Sequence 556276, A
544	12.2	64.2	201	6	US-10-995-561-72568	Sequence 72568, A	c 617	12.2	64.2	1395	6	US-10-750-623-525276	Sequence 556276, A
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546	12.2	64.2	201	6	US-10-995-561-84616	Sequence 84616, A	c 619	12.2	64.2	1400	7	US-11-136-527-6557	Sequence 6957, Ap
547	12.2	64.2	201	7	US-11-124-368A-7249	Sequence 7249, Ap	c 620	12.2	64.2	1409	6	US-10-750-185-35127	Sequence 35127, A
548	12.2	64.2	201	7	US-11-124-368A-13376	Sequence 13376, A	c 621	12.2	64.2	1409	6	US-10-750-623-36127	Sequence 36127, A
549	12.2	64.2	201	7	US-11-124-368A-13377	Sequence 13377, A	c 622	12.2	64.2	1416	7	US-11-150-533-66	Sequence 66, App1
550	12.2	64.2	201	7	US-11-124-368A-20319	Sequence 20319, A	c 623	12.2	64.2	1430	6	US-10-750-185-63240	Sequence 63240, A
551	12.2	64.2	201	7	US-11-124-368A-20982	Sequence 20982, A	c 624	12.2	64.2	1430	6	US-10-750-623-63240	Sequence 63240, A
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553	12.2	64.2	339	6	US-10-467-657-1871	Sequence 1871, Ap	c 626	12.2	64.2	1449	6	US-10-517-933-103	Sequence 419, App
554	12.2	64.2	339	6	US-10-469-561-23	Sequence 1851, Ap	c 627	12.2	64.2	1518	6	US-10-750-185-56475	Sequence 56475, A
555	12.2	64.2	408	7	US-11-112-908-403	Sequence 403, App	c 628	12.2	64.2	1518	6	US-10-750-623-56475	Sequence 56475, A
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557	12.2	64.2	458	7	US-11-123-896-247	Sequence 247, App	c 630	12.2	64.2	1520	6	US-10-750-623-46703	Sequence 46703, A
558	12.2	64.2	498	6	US-10-467-657-3511	Sequence 3511, Ap	c 631	12.2	64.2	1546	6	US-10-750-185-35831	Sequence 35831, A
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563	12.2	64.2	517	7	US-11-128-061-764	Sequence 764, App	c 636	12.2	64.2	1623	6	US-10-750-623-58408	Sequence 58408, A
564	12.2	64.2	517	7	US-11-128-061-4406	Sequence 4406, Ap	c 637	12.2	64.2	1632	9	US-11-082-389-289	Sequence 289, App
565	12.2	64.2	579	7	US-11-128-061-233	Sequence 233, App	c 638	12.2	64.2	1635	6	US-10-750-185-51054	Sequence 51054, A
566	12.2	64.2	579	7	US-11-128-061-3875	Sequence 3875, Ap	c 639	12.2	64.2	1650	6	US-10-821-234-76	Sequence 76, App1
567	12.2	64.2	600	6	US-10-750-185-339	Sequence 339, App	c 640	12.2	64.2	1672	6	US-10-750-185-46633	Sequence 46633, A
568	12.2	64.2	600	6	US-10-750-185-2478	Sequence 2478, Ap	c 641	12.2	64.2	1672	6	US-10-750-623-46633	Sequence 46633, A
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574	12.2	64.2	714	6	US-10-453-372-803	Sequence 803, App	c 647	12.2	64.2	1753	7	US-11-150-533-4	Sequence 4, App11
575	12.2	64.2	714	6	US-10-453-372-805	Sequence 805, App	c 648	12.2	64.2	1781	6	US-10-750-185-50076	Sequence 50076, A
576	12.2	64.2	738	9	US-11-082-389-373	Sequence 373, App	c 649	12.2	64.2	1818	6	US-10-750-623-50076	Sequence 50076, A
577	12.2	64.2	738	9	US-11-082-389-377	Sequence 377, App	c 650	12.2	64.2	1818	7	US-11-136-527-2861	Sequence 2861, Ap
578	12.2	64.2	771	6	US-10-467-657-7455	Sequence 7455, Ap	c 651	12.2	64.2	1901	7	US-11-136-527-252	Sequence 252, App
579	12.2	64.2	772	6	US-10-750-185-38776	Sequence 38776, A	c 652	12.2	64.2	1965	7	US-11-136-527-3043	Sequence 3043, Ap
580	12.2	64.2	772	6	US-10-750-623-38776	Sequence 38776, A	c 653	12.2	64.2	2127	7	US-11-130-533-64	Sequence 64, App1
581	12.2	64.2	810	6	US-10-453-372-801	Sequence 801, App	c 654	12.2	64.2	2157	6	US-10-467-657-761	Sequence 761, App
582	12.2	64.2	869	6	US-10-750-185-34784	Sequence 34784, A	c 655	12.2	64.2	2180	7	US-11-150-533-23	Sequence 23, App1
583	12.2	64.2	869	6	US-10-750-623-34784	Sequence 34784, A	c 656	12.2	64.2	2211	7	US-11-136-527-3331	Sequence 3331, Ap
584	12.2	64.2	873	6	US-10-467-657-391	Sequence 391, App	c 657	12.2	64.2	2247	6	US-10-453-377-799	Sequence 799, App
585	12.2	64.2	890	6	US-10-750-185-51058	Sequence 51058, A	c 658	12.2	64.2	2255	7	US-11-150-533-1	Sequence 1, App11
586	12.2	64.2	890	6	US-10-750-623-51058	Sequence 51058, A	c 659	12.2	64.2	2260	6	US-10-750-185-27044	Sequence 27044, A
587	12.2	64.2	924	6	US-10-750-185-63563	Sequence 63563, A	c 660	12.2	64.2	2260	6	US-10-750-623-27044	Sequence 27044, A
588	12.2	64.2	924	6	US-10-750-623-63563	Sequence 63563, A	c 661	12.2	64.2	2303	7	US-11-136-527-24643	Sequence 24643, Ap
589	12.2	64.2	944	6	US-10-667-295-150	Sequence 150, App	c 662	12.2	64.2	2304	8	US-11-112-944-10	Sequence 10, App1
590	12.2	64.2	958	7	US-11-136-527-741	Sequence 741, App	c 663	12.2	64.2	2319	6	US-10-858-730-148	Sequence 148, App
591	12.2	64.2	1006	6	US-10-821-234-422	Sequence 422, App	c 664	12.2	64.2	2372	7	US-11-128-061-3573	Sequence 3573, Ap
592	12.2	64.2	1039	6	US-10-750-185-44025	Sequence 44025, A	c 665	12.2	64.2	2380	7	US-11-102-24-161	Sequence 161, App
593	12.2	64.2	1039	6	US-10-750-623-44025	Sequence 44025, A	c 666	12.2	64.2	2380	7	US-10-467-657-2525	Sequence 2525, Ap
594	12.2	64.2	1071	7	US-11-000-688-1164	Sequence 1164, Ap	c 667	12.2	64.2	2502	6	US-10-750-185-56544	Sequence 56544, A
595	12.2	64.2	1081	6	US-10-750-185-62727	Sequence 62727, A	c 668	12.2	64.2	2502	6	US-10-750-623-56544	Sequence 56544, A
596	12.2	64.2	1081	6	US-10-750-623-62727	Sequence 62727, A	c 669	12.2	64.2	2521	7	US-11-136-527-304	Sequence 304, App
597	12.2	64.2	1082	7	US-11-041-776-70	Sequence 70, App1	c 670	12.2	64.2	2551	7	US-11-186-284-78	Sequence 78, App1
598	12.2	64.2	1091	6	US-10-750-185-50301	Sequence 50301, A	c 671	12.2	64.2	2558	6	US-10-750-185-37449	Sequence 37449, A
599	12.2	64.2	1091	6	US-10-750-623-50301	Sequence 50301, A	c 672	12.2	64.2	2538	6	US-10-750-623-37449	Sequence 37449, A
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601	12.2	64.2	1094	6	US-10-750-623-38169	Sequence 38169, A	c 674	12.2	64.2	2785	6	US-11-136-527-2923	Sequence 2923, App
602	12.2	64.2	1144	6	US-10-750-185-59543	Sequence 59543, A	c 675	12.2	64.2	2860	7	US-11-136-527-144	Sequence 144, App
603	12.2	64.2	1144	6	US-10-750-623-59543	Sequence 59543, A	c 676	12.2	64.2	2867	7	US-10-750-185-28926	Sequence 28926, A
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605	12.2	64.2	1200	6	US-10-750-623-51065	Sequence 51065, A	c 678	12.2	64.2	2990	7	US-11-136-527-70	Sequence 70, App1
606	12.2	64.2	1236	6	US-10-467-657-2063	Sequence 2063, Ap	c 679	12.2	64.2	2990	7	US-11-136-527-70	Sequence 70, App1
607	12.2	64.2	1287	7	US-11-052-554A-692	Sequence 692, App	c 680	12.2	64.2	3012	7	US-11-136-527-644	Sequence 644, App

C 681	12.2	64.2	3039	7	US-11-192-801-19	Sequence 19, Appl
C 682	12.2	64.2	3039	7	US-11-192-801-21	Sequence 21, Appl
C 683	12.2	64.2	3044	7	US-11-192-801-38	Sequence 38, Appl
C 684	12.2	64.2	3155	7	US-11-128-061-562	Sequence 562, Appl
C 685	12.2	64.2	3300	6	US-10-750-185-32041	Sequence 32041, A
C 686	12.2	64.2	3330	6	US-10-750-623-32041	Sequence 32041, A
C 687	12.2	64.2	3450	7	US-11-192-801-17	Sequence 17, Appl
C 688	12.2	64.2	3455	7	US-11-192-801-36	Sequence 36, Appl
C 689	12.2	64.2	3463	7	US-11-005-216-1	Sequence 1, Appl1
C 690	12.2	64.2	3469	7	US-11-192-801-23	Sequence 23, Appl
C 691	12.2	64.2	3521	6	US-10-750-185-64643	Sequence 64643, A
C 692	12.2	64.2	3621	6	US-10-750-623-64643	Sequence 64643, A
C 693	12.2	64.2	3656	6	US-10-947-249-198	Sequence 198, App
C 694	12.2	64.2	4119	6	US-10-453-372-793	Sequence 793, App
C 695	12.2	64.2	4128	6	US-10-995-561-253	Sequence 253, App
C 696	12.2	64.2	4617	7	US-11-052-554A-530	Sequence 530, App
C 697	12.2	64.2	4884	7	US-11-052-554A-508	Sequence 508, App
C 698	12.2	64.2	5005	7	US-11-132-864-3	Sequence 3, Appl1
C 699	12.2	64.2	5051	6	US-10-995-561-493	Sequence 493, App
C 700	12.2	64.2	5221	6	US-10-821-234-367	Sequence 367, App
C 701	12.2	64.2	5232	6	US-10-995-561-492	Sequence 492, App
C 702	12.2	64.2	5253	9	US-11-004-057-3	Sequence 3, Appl1
C 703	12.2	64.2	5464	7	US-11-136-527-3219	Sequence 3219, Ap
C 704	12.2	64.2	5560	7	US-11-136-527-3168	Sequence 3168, Ap
C 705	12.2	64.2	6600	6	US-10-453-372-795	Sequence 795, App
C 706	12.2	64.2	7351	7	US-11-136-527-1983	Sequence 1983, App
C 707	12.2	64.2	8076	6	US-10-821-234-203	Sequence 203, App
C 708	12.2	64.2	11151	7	US-11-052-554A-535	Sequence 525, App
C 709	12.2	64.2	12309	6	US-10-995-561-13450	Sequence 13450, A
C 710	12.2	64.2	12461	6	US-10-775-169-348	Sequence 348, App
C 711	12.2	64.2	13953	7	US-11-124-368A-2930	Sequence 2930, Ap
C 712	12.2	64.2	14248	6	US-10-995-561-13381	Sequence 13381, A
C 713	12.2	64.2	15804	6	US-10-995-561-13394	Sequence 13294, A
C 714	12.2	64.2	16371	6	US-10-995-561-13309	Sequence 13329, A
C 715	12.2	64.2	24446	6	US-10-995-561-13436	Sequence 13436, A
C 716	12.2	64.2	30140	7	US-11-052-544-29	Sequence 29, Appl
C 717	12.2	64.2	37623	7	US-11-124-368A-2880	Sequence 2880, Ap
C 718	12.2	64.2	38527	7	US-11-124-368A-2812	Sequence 2812, Ap
C 719	12.2	64.2	38703	7	US-11-052-544-28	Sequence 28, Appl
C 720	12.2	64.2	40000	6	US-10-995-561-13513	Sequence 13513, A
C 721	12.2	64.2	42823	7	US-11-066-725-18	Sequence 18, Appl
C 722	12.2	64.2	56952	7	US-11-124-368A-2909	Sequence 2909, Ap
C 723	12.2	64.2	57917	6	US-10-995-561-13399	Sequence 13359, A
C 724	12.2	64.2	60844	6	US-10-995-561-13359	Sequence 13359, A
C 725	12.2	64.2	65885	6	US-10-995-561-13490	Sequence 13490, A
C 726	12.2	64.2	76589	6	US-10-995-561-13322	Sequence 13322, A
C 727	12.2	64.2	86131	6	US-10-995-561-13398	Sequence 13298, A
C 728	12.2	64.2	90572	7	US-11-124-368A-2800	Sequence 2800, Ap
C 729	12.2	64.2	95832	6	US-10-995-561-13273	Sequence 13273, A
C 730	12.2	64.2	96128	6	US-10-995-561-13197	Sequence 13197, A
C 731	12.2	64.2	115935	6	US-10-775-169-241	Sequence 241, App
C 732	12.2	64.2	119160	7	US-11-121-086-12	Sequence 12, Appl
C 733	12.2	64.2	126552	7	US-11-121-086-1	Sequence 1, Appl1
C 734	12.2	64.2	134174	7	US-11-121-086-99	Sequence 99, Appl
C 735	12.2	64.2	150038	7	US-11-121-086-23	Sequence 23, Appl
C 736	12.2	64.2	150491	7	US-11-112-908-46	Sequence 46, Appl
C 737	12.2	64.2	155515	7	US-11-112-908-42	Sequence 42, Appl
C 738	12.2	64.2	157224	7	US-11-112-908-51	Sequence 51, Appl
C 739	12.2	64.2	159497	7	US-11-112-908-61	Sequence 61, Appl
C 740	12.2	64.2	159660	7	US-11-112-908-43	Sequence 43, Appl
C 741	12.2	64.2	162289	7	US-11-121-086-20	Sequence 20, Appl
C 742	12.2	64.2	168516	7	US-11-121-086-3	Sequence 3, Appl1
C 743	12.2	64.2	170189	7	US-11-112-908-50	Sequence 50, Appl
C 744	12.2	64.2	175416	7	US-11-121-086-43	Sequence 43, Appl
C 745	12.2	64.2	175673	7	US-11-121-086-55	Sequence 55, Appl
C 746	12.2	64.2	181172	7	US-11-121-086-41	Sequence 41, Appl
C 747	12	63.2	19	6	US-10-310-914A-1190059	Sequence 1190059
C 748	12	63.2	19	6	US-10-310-914A-1374508	Sequence 1374508
C 749	12	63.2	19	8	US-11-101-244-227138	Sequence 227138
C 750	12	63.2	19	8	US-11-101-244-227184	Sequence 227184
C 751	12	63.2	19	8	US-11-101-244-704627	Sequence 704627
C 752	12	63.2	19	8	US-11-101-244-1559860	Sequence 1559860
C 753	12	63.2	19	9	US-11-083-784-227138	Sequence 227138

754	12	63.2	19	9	US-11-083-784-227184	Sequence 227184
C 755	12	63.2	19	9	US-11-083-784-704627	Sequence 704627
756	12	63.2	19	9	US-11-083-784-1559860	Sequence 1559860
757	12	63.2	21	6	US-10-310-914A-1190065	Sequence 1190065
758	12	63.2	22	6	US-10-310-914A-1374905	Sequence 1374905
C 759	12	63.2	23	6	US-10-310-914A-1374909	Sequence 1374909
C 760	12	63.2	24	6	US-10-310-914A-1218795	Sequence 1218795
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C 762	12	63.2	25	7	US-11-121-849-129063	Sequence 129063
C 763	12	63.2	25	7	US-11-121-849-518152	Sequence 518152
C 764	12	63.2	871	6	US-10-750-185-44703	Sequence 44703, A
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C 766	12	63.2	946	6	US-10-750-185-33161	Sequence 33161, A
C 767	12	63.2	973	6	US-10-750-623-34161	Sequence 34161, A
C 768	12	63.2	973	6	US-10-750-185-35060	Sequence 35060, A
C 769	12	63.2	1008	6	US-10-750-623-55060	Sequence 55060, A
C 770	12	63.2	1068	6	US-10-750-185-54774	Sequence 54774, A
C 771	12	63.2	1104	6	US-10-750-623-57474	Sequence 57474, A
C 772	12	63.2	1104	6	US-10-467-657-4755	Sequence 4755, Ap
C 773	12	63.2	1135	6	US-10-880-884-15	Sequence 15, Appl
C 774	12	63.2	1272	6	US-10-880-884-17	Sequence 17, Appl
C 775	12	63.2	1612	7	US-11-000-463-48	Sequence 48, Appl
C 776	12	63.2	1612	7	US-11-000-463-159	Sequence 159, Appl
C 777	12	63.2	1673	6	US-11-000-463-237	Sequence 237, App
C 778	12	63.2	2005	6	US-10-750-185-62429	Sequence 62429, A
C 779	12	63.2	2005	6	US-10-750-623-62429	Sequence 62429, A
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ALIGNMENTS

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RESULT 1
US-10-987-663-3
; Sequence 3, Application US/10987663
; Publication No. US20050272118A1
; GENERAL INFORMATION:
; APPLICANT: GENENTECH, INC.
; APPLICANT: CLARK, HILARY
; APPLICANT: EATON, DANIEL L.
; APPLICANT: WRANIK, BERND
; APPLICANT: CUYANG, WENDUN
; APPLICANT: GONZALES, LINO
; APPLICANT: LOYER, KELLY M.
; TITLE OF INVENTION: Novel Compositions and Methods for the Treatment of
; FILE REFERENCE: P1996R1P1-US
; CURRENT APPLICATION NUMBER: US/10/987,663
; CURRENT FILING DATE: 2004-11-12
; PRIOR APPLICATION NUMBER: US 60/421,236
; PRIOR FILING DATE: 2002-10-25
; PRIOR APPLICATION NUMBER: US 10/371,341
; PRIOR FILING DATE: 2003-02-19
; NUMBER OF SEQ ID NOS: 10
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; LENGTH: 1049
; TYPE: DNA
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US-10-987-663-3
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Best Local Similarity 89.5%; Pred. No. 81;
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; GENERAL INFORMATION:
; APPLICANT: Bailey, Richard B.
; APPLICANT: Blomquist, Paul
; APPLICANT: Doten, Reed
; APPLICANT: Driggers, Edward M.
; APPLICANT: Madden, Kevin T.
; APPLICANT: O'Leary, Jessica
; APPLICANT: O'Toole, George
; APPLICANT: Trueheart, Joshua
; APPLICANT: Walbridge, Michael J.
; APPLICANT: Yorgey, Peter S.
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR AMINO ACID
; FILE REFERENCE: 14184-030001
; CURRENT APPLICATION NUMBER: US/10/858,730
; CURRENT FILING DATE: 2004-06-01
; PRIOR APPLICATION NUMBER: US 60/475,000
; PRIOR FILING DATE: 2003-05-30
; PRIOR APPLICATION NUMBER: US 60/551,860
; PRIOR FILING DATE: 2004-03-10
; NUMBER OF SEQ ID NOS: 364
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 143
; LENGTH: 3579
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; Sequence 204, Application US/11117187
; Publication No. US20050266560A1
; GENERAL INFORMATION:
; APPLICANT: PREBUS, DAPHNE
; APPLICANT: COPELHAVER, GREGORY
; TITLE OF INVENTION: PLANT ARTIFICIAL CHROMOSOME COMPOSITIONS AND METHODS
; FILE REFERENCE: ARCC:309US
; CURRENT APPLICATION NUMBER: US/11/117,187
; CURRENT FILING DATE: 2005-04-28
; PRIOR APPLICATION NUMBER: US/09/531,120
; PRIOR FILING DATE: 2000-03-17
; PRIOR APPLICATION NUMBER: 60/125,219
; PRIOR FILING DATE: 1999-03-18
; NUMBER OF SEQ ID NOS: 212
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; Sequence 40715, Application US/11121849
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; Publication No. US20050272080A1
; GENERAL INFORMATION:
; APPLICANT: John Palma
; TITLE OF INVENTION: Methods of Genetic Analysis of Formalin Fixed Paraffin Embedded S
; FILE REFERENCE: 3684.1
; CURRENT APPLICATION NUMBER: US/11/121,849
; CURRENT FILING DATE: 2005-05-03
; PRIOR APPLICATION NUMBER: 60/567,949
; PRIOR FILING DATE: 2004-05-03
; NUMBER OF SEQ ID NOS: 673904
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 40715
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Homo sapien
; US-11-121-849-40715

Query Match          74.7%; Score 14.2; DB 7; Length 25;
Best Local Similarity 84.2%; Pred. No. 6.7e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 GCGCGAGAGCCCGAACTGC 19
DB 2 GCGCGAGTGTGCGAACTGC 20

RESULT 5
US-11-121-849-267686/c
; Sequence 267686, Application US/11121849
; Publication No. US20050272080A1
; GENERAL INFORMATION:
; APPLICANT: John Palma
; TITLE OF INVENTION: Methods of Genetic Analysis of Formalin Fixed Paraffin Embedded S
; FILE REFERENCE: 3684.1
; CURRENT APPLICATION NUMBER: US/11/121,849
; CURRENT FILING DATE: 2005-05-03
; PRIOR APPLICATION NUMBER: 60/567,949
; PRIOR FILING DATE: 2004-05-03
; NUMBER OF SEQ ID NOS: 673904
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 267686
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Homo sapien
; US-11-121-849-267686

Query Match          74.7%; Score 14.2; DB 7; Length 25;
Best Local Similarity 84.2%; Pred. No. 6.7e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 GCGCGAGAGCCCGAACTGC 19
DB 19 GTGCGAGAGCCCGAGCTCC 1

RESULT 6
US-10-750-185-35163/c
; Sequence 35163, Application US/10750185
; Publication No. US20050260603A1
; GENERAL INFORMATION:
; APPLICANT: MMT GENOMICS, INC.
; APPLICANT: DENISE, Sue K.
; APPLICANT: KERR, Richard
; APPLICANT: ROSENFELD, David
; APPLICANT: HOLM, Tom
; APPLICANT: BATES, Stephen
; APPLICANT: FANTIN, Dennis
; TITLE OF INVENTION: COMPOSITIONS FOR INFERRING BOVINE TRAITS
; FILE REFERENCE: MM11100-2
; CURRENT APPLICATION NUMBER: US/10/750,185
; CURRENT FILING DATE: 2003-12-31
```

```
; PRIOR APPLICATION NUMBER: US 60/437,482
; PRIOR FILING DATE: 2002-12-31
; NUMBER OF SEQ ID NOS: 64922
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 35163
; LENGTH: 775
; TYPE: DNA
; ORGANISM: Bovine 19866881391762
; US-10-750-185-35163

Query Match          74.7%; Score 14.2; DB 6; Length 775;
Best Local Similarity 84.2%; Pred. No. 4.7e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 GCGCGAGAGCCCGAACTGC 19
DB 60 GCCAGAGAGCCCGCAACTGC 42

RESULT 7
US-10-750-623-35163/c
; Sequence 35163, Application US/10750623
; Publication No. US20050287531A1
; GENERAL INFORMATION:
; APPLICANT: MMT GENOMICS, INC.
; APPLICANT: DENISE, Sue K.
; APPLICANT: KERR, Richard
; APPLICANT: ROSENFELD, David
; APPLICANT: HOLM, Tom
; APPLICANT: BATES, Stephen
; APPLICANT: FANTIN, Dennis
; TITLE OF INVENTION: METHODS AND SYSTEMS FOR INFERRING BOVINE TRAITS
; FILE REFERENCE: MM11100-1
; CURRENT APPLICATION NUMBER: US/10/750,623
; CURRENT FILING DATE: 2003-12-31
; PRIOR APPLICATION NUMBER: US 60/437,482
; PRIOR FILING DATE: 2002-12-31
; NUMBER OF SEQ ID NOS: 64922
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 35163
; LENGTH: 775
; TYPE: DNA
; ORGANISM: Bovine 19866881391762
; US-10-750-623-35163

Query Match          74.7%; Score 14.2; DB 6; Length 775;
Best Local Similarity 84.2%; Pred. No. 4.7e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 GCGCGAGAGCCCGAACTGC 19
DB 60 GCCAGAGAGCCCGCAACTGC 42

RESULT 8
US-10-467-657-7411/c
; Sequence 7411, Application US/10467657
; Publication No. US20050260581A1
; GENERAL INFORMATION:
; APPLICANT: CHIRON SPA
; APPLICANT: FONTANA Maria Rita
; APPLICANT: PIZZA Mariagrazia
; APPLICANT: MASTIGNANI Vega
; APPLICANT: MONACI Elisabetta
; TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS
; FILE REFERENCE:
; CURRENT APPLICATION NUMBER: US/10/467,657
; CURRENT FILING DATE: 2003-08-11
; PRIOR APPLICATION NUMBER: GB-0103424.8
; PRIOR FILING DATE: 2001-02-12
; NUMBER OF SEQ ID NOS: 9218
; SOFTWARE: SeqMan99, version 1.04
; SEQ ID NO 7411
```

```

; LENGTH: 930
; TYPE: DNA
; ORGANISM: Neisseria gonorrhoeae
US-10-467-657-7411

Query Match
Best Local Similarity 74.7%; Score 14.2; DB 6; Length 930;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1 GCGCGAGAGCCCGAAGCTGC 19
Db 489 GCGGAACAGCCGAGCTGC 471

RESULT 9
US-10-750-185-41160
; Sequence 41160, Application US/10750185
; Publication No. US20050260603A1
; GENERAL INFORMATION:
; APPLICANT: MMT GENOMICS, INC.
; APPLICANT: DENISE, Sue K.
; APPLICANT: KERR, Richard
; APPLICANT: ROSENFELD, David
; APPLICANT: HOLM, Tom
; APPLICANT: BATES, Stephen
; APPLICANT: FANTIN, Dennis
; TITLE OF INVENTION: COMPOSITIONS FOR INFERRING BOVINE TRAITS
; FILE REFERENCE: MM11100-2
; CURRENT APPLICATION NUMBER: US/10/750,185
; CURRENT FILING DATE: 2003-12-31
; PRIOR FILING DATE: 2002-12-31
; PRIOR APPLICATION NUMBER: US 60/437,482
; NUMBER OF SEQ ID NOS: 64922
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 41160
; LENGTH: 935
; TYPE: DNA
; ORGANISM: Bovine
US-10-750-185-41160

Query Match
Best Local Similarity 74.7%; Score 14.2; DB 6; Length 935;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1 GCGCGAGAGCCCGAAGCTGC 19
Db 280 GCACGAAGCCGAGCTGC 298

RESULT 10
US-10-750-623-41160
; Sequence 41160, Application US/10750623
; Publication No. US20050287531A1
; GENERAL INFORMATION:
; APPLICANT: MMT GENOMICS, INC.
; APPLICANT: DENISE, Sue K.
; APPLICANT: KERR, Richard
; APPLICANT: ROSENFELD, David
; APPLICANT: HOLM, Tom
; APPLICANT: BATES, Stephen
; APPLICANT: FANTIN, Dennis
; TITLE OF INVENTION: METHODS AND SYSTEMS FOR INFERRING BOVINE TRAITS
; FILE REFERENCE: MM11100-1
; CURRENT APPLICATION NUMBER: US/10/750,623
; CURRENT FILING DATE: 2003-12-31
; PRIOR FILING DATE: 2002-12-31
; PRIOR APPLICATION NUMBER: US 60/437,482
; NUMBER OF SEQ ID NOS: 64922
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 41160
; LENGTH: 935
; TYPE: DNA
; ORGANISM: Bovine
19866880772894
```

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US-10-750-623-41160

Query Match
Best Local Similarity 74.7%; Score 14.2; DB 6; Length 935;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1 GCGCGAGAGCCCGAAGCTGC 19
Db 280 GCACGAAGCCGAGCTGC 298

RESULT 11
US-10-623-155-158
; Sequence 158, Application US/10623155
; Publication No. US20050261166A1
; GENERAL INFORMATION:
; APPLICANT: Wang, Tongtong
; APPLICANT: Peckham, David W.
; APPLICANT: Reiter, Marc W.
; APPLICANT: Fanger, Gary R.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; FILE REFERENCE: 210121.455C20
; CURRENT APPLICATION NUMBER: US/10/623,155
; CURRENT FILING DATE: 2003-07-17
; NUMBER OF SEQ ID NOS: 560
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 158
; LENGTH: 2099
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-623-155-158

Query Match
Best Local Similarity 74.7%; Score 14.2; DB 6; Length 2099;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1 GCGCGAGAGCCCGAAGCTGC 19
Db 74 GCGCCCGAGCCGAGCTGC 92

RESULT 12
US-11-000-688-560/c
; Sequence 560, Application US/11000688
; Publication No. US20050287544A1
; GENERAL INFORMATION:
; APPLICANT: BERTUCCI, Francois
; APPLICANT: HOULGATTE, Remi
; APPLICANT: BIRNBAUM, Daniel
; TITLE OF INVENTION: GENE EXPRESSION PROFILING OF COLON CANCER WITH DNA ARRAYS
; FILE REFERENCE: 1423-R-03
; CURRENT APPLICATION NUMBER: US/11/000,688
; CURRENT FILING DATE: 2004-12-01
; PRIOR APPLICATION NUMBER: US 60/525,987
; PRIOR FILING DATE: 2003-12-01
; NUMBER OF SEQ ID NOS: 1596
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 560
; LENGTH: 2219
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial sequences:primer
; NAME/KEY: misc feature
; LOCATION: (1)..(2219)
; OTHER INFORMATION: acyl-coenzyme a dehydrogenase, very long
; OTHER INFORMATION: chain(ACADVL) gene.
US-11-000-688-560

Query Match
Best Local Similarity 74.7%; Score 14.2; DB 7; Length 2219;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
```

Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
 QY 1 GCGCGAGAGCCGCACTGC 19
 Db 1709 GCTCGAGAGCCGCACTGC 1691

RESULT 13
 US-10-750-185-38086
 ; Sequence 38086, Application US/10750185
 ; Publication No. US20050260603A1
 ; GENERAL INFORMATION:
 ; APPLICANT: MMI GENOMICS, INC.
 ; APPLICANT: DENISE, Sue K.
 ; APPLICANT: KERR, Richard
 ; APPLICANT: ROSENFIELD, David
 ; APPLICANT: HOLM, Tom
 ; APPLICANT: BATES, Stephen
 ; APPLICANT: FANTIN, Dennis
 ; TITLE OF INVENTION: COMPOSITIONS FOR INFERRING BOVINE TRAITS
 ; FILE REFERENCE: MM1100-2
 ; CURRENT APPLICATION NUMBER: US/10/750,185
 ; CURRENT FILING DATE: 2003-12-31
 ; PRIOR APPLICATION NUMBER: US 60/437,482
 ; PRIOR FILING DATE: 2002-12-31
 ; NUMBER OF SEQ ID NOS: 64922
 ; SOFTWARE: PatentIn version 3.1
 ; SEQ ID NO 38086
 ; LENGTH: 2364
 ; TYPE: DNA
 ; ORGANISM: Bovine 19866880499151
 US-10-750-185-38086

Query Match 74.7%; Score 14.2; DB 6; Length 2364;
 Best Local Similarity 84.2%; Pred. No. 4.2e+02;
 Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
 QY 1 GCGCGAGAGCCGCACTGC 19
 Db 1628 GCGTAGAGCCGCACTCC 1646

RESULT 14
 US-10-750-623-38086
 ; Sequence 38086, Application US/10750623
 ; Publication No. US20050287531A1
 ; GENERAL INFORMATION:
 ; APPLICANT: MMI GENOMICS, INC.
 ; APPLICANT: DENISE, Sue K.
 ; APPLICANT: KERR, Richard
 ; APPLICANT: ROSENFIELD, David
 ; APPLICANT: HOLM, Tom
 ; APPLICANT: BATES, Stephen
 ; APPLICANT: FANTIN, Dennis
 ; TITLE OF INVENTION: METHODS AND SYSTEMS FOR INFERRING BOVINE TRAITS
 ; FILE REFERENCE: MM1100-1
 ; CURRENT APPLICATION NUMBER: US/10/750,623
 ; CURRENT FILING DATE: 2003-12-31
 ; PRIOR APPLICATION NUMBER: US 60/437,482
 ; PRIOR FILING DATE: 2002-12-31
 ; NUMBER OF SEQ ID NOS: 64922
 ; SOFTWARE: PatentIn version 3.1
 ; SEQ ID NO 38086
 ; LENGTH: 2364
 ; TYPE: DNA
 ; ORGANISM: Bovine 19866880499151
 US-10-750-623-38086

Query Match 74.7%; Score 14.2; DB 6; Length 2364;
 Best Local Similarity 84.2%; Pred. No. 4.2e+02;
 Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
 QY 1 GCGCGAGAGCCGCACTGC 19

Db 1628 GCGTAGAGCCGCACTCC 1646

RESULT 15
 US-10-131-826A-385/C
 ; Sequence 385, Application US/10131826A
 ; Publication No. US20050245730A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Baker, Kevin P.
 ; APPLICANT: Beresini, Maureen
 ; APPLICANT: DeForge, Laura
 ; APPLICANT: Desnoyers, Luc
 ; APPLICANT: Filvaroff, Ellen
 ; APPLICANT: Gao, Wei-Qiang
 ; APPLICANT: Gerritsen, Mary E.
 ; APPLICANT: Goddard, Audrey
 ; APPLICANT: Godowski, Paul J.
 ; APPLICANT: Gurney, Austin L.
 ; APPLICANT: Sherwood, Steven
 ; APPLICANT: Smith, Victoria
 ; APPLICANT: Stewart, Timothy A.
 ; APPLICANT: Tumas, Daniel
 ; APPLICANT: Watanabe, Colin K
 ; APPLICANT: Wood, William
 ; APPLICANT: Zhang, Zemin
 ; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
 ; FILE REFERENCE: P3330R1C128
 ; CURRENT APPLICATION NUMBER: US/10/131,826A
 ; CURRENT FILING DATE: 2002-04-24
 ; PRIOR APPLICATION NUMBER: 60/049911
 ; PRIOR FILING DATE: 1997-06-18
 ; PRIOR APPLICATION NUMBER: 60/056974
 ; PRIOR FILING DATE: 1997-08-26
 ; PRIOR APPLICATION NUMBER: 60/059113
 ; PRIOR FILING DATE: 1997-09-17
 ; PRIOR APPLICATION NUMBER: 60/059115
 ; PRIOR FILING DATE: 1997-09-17
 ; PRIOR APPLICATION NUMBER: 60/059117
 ; PRIOR FILING DATE: 1997-09-17
 ; PRIOR APPLICATION NUMBER: 60/059122
 ; PRIOR FILING DATE: 1997-09-17
 ; PRIOR APPLICATION NUMBER: 60/059184
 ; PRIOR FILING DATE: 1997-09-17
 ; PRIOR APPLICATION NUMBER: 60/059263
 ; PRIOR FILING DATE: 1997-09-18
 ; PRIOR APPLICATION NUMBER: 60/059352
 ; PRIOR FILING DATE: 1997-09-19
 ; PRIOR APPLICATION NUMBER: 60/059588
 ; Remaining prior Application data removed - See file wrapper or PALM.
 ; NUMBER OF SEQ ID NOS: 550
 ; SEQ ID NO 385
 ; LENGTH: 2749
 ; TYPE: DNA
 ; ORGANISM: Homo Sapien
 ; FEATURE:
 ; NAME/KEY: unsure
 ; LOCATION: 1869, 1887
 ; OTHER INFORMATION: unknown base
 US-10-131-826A-385

Query Match 74.7%; Score 14.2; DB 6; Length 2749;
 Best Local Similarity 84.2%; Pred. No. 4.1e+02;
 Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
 QY 1 GCGCGAGAGCCGCACTGC 19
 Db 906 GCGTAGAGCCGCACTTC 888

RESULT 16


```
RESULT 20
US-11-044-111-21/c
; Sequence 21, Application US/11044111
; Publication No. US20050272362A1
; GENERAL INFORMATION:
; APPLICANT: Chiang, Wen
; APPLICANT: Strasburg, Gale
; APPLICANT: Linz, John
; TITLE OF INVENTION: Genetic Test for PSE-Susceptible Turkeys
; FILE REFERENCE: MSU-09308
; CURRENT APPLICATION NUMBER: US/11/044,111
; CURRENT FILING DATE: 2005-01-27
; NUMBER OF SEQ ID NOS: 27
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 21
; LENGTH: 10129
; TYPE: DNA
; ORGANISM: Melaleucis gallopavo
US-11-044-111-21

Query Match      74.7%; Score 14.2; DB 7; Length 10129;
Best Local Similarity 84.2%; Pred. No. 3.6e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy      1 GCGCGAGAGCCGGAACCTGC 19
Db      8145 GCACGAGAGCGAGGAACCTGC 8127

RESULT 21
US-10-310-914A-816897/c
; Sequence 816897, Application US/10310914A
; Publication No. US20060003322A1
; GENERAL INFORMATION:
; APPLICANT: Bentwich, Isaac
; APPLICANT: Shiller, Kuzat
; TITLE OF INVENTION: Bioinformatically detectable group of novel regulatory genes and
; FILE REFERENCE: 06087.0200.CPUS01
; CURRENT APPLICATION NUMBER: US/10/310,914A
; CURRENT FILING DATE: 2002-12-06
; NUMBER OF SEQ ID NOS: 1386402
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 816897
; LENGTH: 18
; TYPE: RNA
; ORGANISM: Human
US-10-310-914A-816897

Query Match      72.6%; Score 13.8; DB 6; Length 18;
Best Local Similarity 88.2%; Pred. No. 1.1e+03;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy      3 GCGAGAGCCCGGAACCTGC 19
Db      17 GCGAGAGCCCGGAACCTGC 1

RESULT 22
US-10-848-724-2
; Sequence 2, Application US/10848724
; Publication No. US20050261216A1
; GENERAL INFORMATION:
; APPLICANT: Bridget Lollo
; APPLICANT: Kenneth W. Dobie
; TITLE OF INVENTION: MODULATION OF NANOS 1 EXPRESSION
; FILE REFERENCE: RTS-0732US
; CURRENT APPLICATION NUMBER: US/10/848,724
; CURRENT FILING DATE: 2004-05-18
; NUMBER OF SEQ ID NOS: 121
; SEQ ID NO 2
; LENGTH: 20
```

```
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Compound
US-10-848-724-2

Query Match      72.6%; Score 13.8; DB 6; Length 20;
Best Local Similarity 88.2%; Pred. No. 1.1e+03;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy      1 GCGCGAGAGCCCGGAACCT 17
Db      3 GCGCGAGAGCCCGGAACCT 19

RESULT 23
US-10-849-438-2
; Sequence 2, Application US/10849438
; Publication No. US20050261217A1
; GENERAL INFORMATION:
; APPLICANT: Kenneth W. Dobie
; APPLICANT: Bridget Lollo
; TITLE OF INVENTION: MODULATION OF PUMILIO 1 EXPRESSION
; FILE REFERENCE: RTS-0715US
; CURRENT APPLICATION NUMBER: US/10/849,438
; CURRENT FILING DATE: 2004-05-18
; NUMBER OF SEQ ID NOS: 123
; SEQ ID NO 2
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Compound
US-10-849-438-2

Query Match      72.6%; Score 13.8; DB 6; Length 20;
Best Local Similarity 88.2%; Pred. No. 1.1e+03;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy      1 GCGCGAGAGCCCGGAACCT 17
Db      3 GCGCGAGAGCCCGGAACCT 19

RESULT 24
US-10-909-125-2
; Sequence 2, Application US/10909125
; Publication No. US20050261218A1
; GENERAL INFORMATION:
; APPLICANT: Egan, Christine
; APPLICANT: Lollo, Bridget
; APPLICANT: Bennett, C. Frank
; APPLICANT: Freiler, Susan M.
; APPLICANT: Griffey, Richard H.
; APPLICANT: Baker, Brenda F.
; APPLICANT: Vickers, Timothy
; APPLICANT: Marcussen, Eric G.
; APPLICANT: Koller, Eric
; APPLICANT: Swayze, Eric
; APPLICANT: Jain, Ravi
; APPLICANT: Bhat, Balkrishen
; APPLICANT: Peralta, Egen
; TITLE OF INVENTION: Oligomeric Compounds and Compositions For Use In Modulation
; FILE REFERENCE: ISIS0080-100 (CORE0016US)
; CURRENT APPLICATION NUMBER: US/10/909,125
; CURRENT FILING DATE: 2004-07-30
; PRIOR APPLICATION NUMBER: US 60/492,056
; PRIOR FILING DATE: 2003-07-31
; PRIOR APPLICATION NUMBER: US 60/516,303
; PRIOR FILING DATE: 2003-10-31
; PRIOR APPLICATION NUMBER: US 60/531,596
; PRIOR FILING DATE: 2003-12-19
```

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; PRIOR APPLICATION NUMBER: US 60/562,417
; PRIOR FILING DATE: 2004-04-14
; NUMBER OF SEQ ID NOS: 2184
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligomeric compound
; US-10-909-125-2

Query Match
Best Local Similarity 72.6%; Score 13.8; DB 6; Length 20;
Pred. No. 1.1e+03;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GCGCGAGAGCCCGAACT 17
Db 3 GCGCGAGAGCCCGAAAT 19

RESULT 25
; US-10-515-538-2
; Sequence 2, Application US/10515538
; Publication No. US20050282760A1
; GENERAL INFORMATION:
; APPLICANT: Isis Pharmaceuticals, Inc.
; APPLICANT: Lex M. Cowser
; APPLICANT: Kenneth W. Dobie
; TITLE OF INVENTION: ANTISENSE MODULATION OF PTPN12 EXPRESSION
; FILE REFERENCE: PTS-0016USA
; CURRENT APPLICATION NUMBER: US/10/515,538
; CURRENT FILING DATE: 2004-11-23
; PRIOR APPLICATION NUMBER: 10/172,911
; PRIOR FILING DATE: 2002-06-17
; PRIOR APPLICATION NUMBER: PCT/US03/18707
; PRIOR FILING DATE: 2003-06-12
; NUMBER OF SEQ ID NOS: 123
; SEQ ID NO 2
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
; US-10-515-538-2

Query Match
Best Local Similarity 72.6%; Score 13.8; DB 6; Length 20;
Pred. No. 1.1e+03;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GCGCGAGAGCCCGAACT 17
Db 3 GCGCGAGAGCCCGAAAT 19

RESULT 26
; US-10-927-466-2
; Sequence 2, Application US/10927466
; Publication No. US20050282761A1
; GENERAL INFORMATION:
; APPLICANT: George Tachas
; APPLICANT: Kenneth W. Dobie
; APPLICANT: Ravi Jain
; APPLICANT: Christopher Ian Belyea
; APPLICANT: Mark Andrew Heffernan
; TITLE OF INVENTION: MODULATION OF GROWTH HORMONE RECEPTOR EXPRESSION AND
; TITLE OF INVENTION: INSULIN LIKE GROWTH
; FILE REFERENCE: FACTOR EXPRESSION
; CURRENT APPLICATION NUMBER: US/10/927,466
; CURRENT FILING DATE: 2004-08-25
; PRIOR APPLICATION NUMBER: US/10/769,526
; PRIOR FILING DATE: 2004-02-26
```

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; PRIOR APPLICATION NUMBER: 60/451,455
; PRIOR FILING DATE: 2003-02-28
; NUMBER OF SEQ ID NOS: 268
; SEQ ID NO 2
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
; US-10-927-466-2

Query Match
Best Local Similarity 72.6%; Score 13.8; DB 6; Length 20;
Pred. No. 1.1e+03;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GCGCGAGAGCCCGAACT 17
Db 3 GCGCGAGAGCCCGAAAT 19

RESULT 27
; US-10-510-667-53
; Sequence 53, Application US/10510667
; Publication No. US20060003952A1
; GENERAL INFORMATION:
; APPLICANT: Ravikumar, Vasulinga
; APPLICANT: Prakash, Thazha P.
; APPLICANT: Bhac, Balkrishan
; TITLE OF INVENTION: OLIGOMERIC COMPOUNDS HAVING MODIFIED PHOSPHATE GROUPS
; FILE REFERENCE: ISIS-5582
; CURRENT APPLICATION NUMBER: US/10/510,667
; CURRENT FILING DATE: 2004-10-07
; PRIOR APPLICATION NUMBER: PCT/US03/10840
; PRIOR FILING DATE: 2003-04-09
; PRIOR APPLICATION NUMBER: US 10/119,432
; PRIOR FILING DATE: 2002-04-09
; NUMBER OF SEQ ID NOS: 66
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 53
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: Oligonucleotide
; NAME/KEY: misc_feature
; LOCATION: (1)..(5)
; OTHER INFORMATION: 2'-O-methoxyethyl
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (16)..(20)
; OTHER INFORMATION: 2'-O-methoxyethyl
; US-10-510-667-53

Query Match
Best Local Similarity 72.6%; Score 13.8; DB 6; Length 20;
Pred. No. 1.1e+03;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GCGCGAGAGCCCGAACT 17
Db 3 GCGCGAGAGCCCGAAAT 19

RESULT 28
; US-11-127-654-302
; Sequence 302, Application US/11127654
; Publication No. US20050280726A1
; GENERAL INFORMATION:
; APPLICANT: Krieg, Arthur M.
; APPLICANT: Berg, Daniel J.
; TITLE OF INVENTION: IMMUNOSTIMULATORY NUCLEIC ACID FOR TREATMENT OF NON-ALLERGIC
; TITLE OF INVENTION: INFLAMMATORY DISEASES
; FILE REFERENCE: C1039.700600S01
```

```
/ CURRENT APPLICATION NUMBER: US/11/127,654
/ CURRENT FILING DATE: 2005-05-12
/ PRIOR APPLICATION NUMBER: US 10/112,653
/ PRIOR FILING DATE: 2002-03-29
/ PRIOR APPLICATION NUMBER: US 60/279,642
/ PRIOR FILING DATE: 2001-03-29
/ NUMBER OF SEQ ID NOS: 1040
/ SOFTWARE: Patentin version 3.2
/ SEQ ID NO 302
/ LENGTH: 20
/ TYPE: DNA
/ ORGANISM: Artificial sequence
/ FEATURE:
/ OTHER INFORMATION: Synthetic oligonucleotide
US-11-127-654-302

Query Match      72.6%; Score 13.8; DB 7; Length 20;
Best Local Similarity 88.2%; Pred. No. 1.1e+03;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      1 GCGCGAGAGCCCGAACT 17
      ||||| ||||| ||||| |||||
Db      3 GCGCGAGAGCCCGAAAT 19

RESULT 29
US-11-101-017-13
/ Sequence 13, Application US/11101017
/ Publication No. US20050260755A1
/ GENERAL INFORMATION:
/ APPLICANT: Baker, Brenda F.
/ APPLICANT: Kraypack, Bryan A.
/ APPLICANT: Sioufi, Namiy A.
/ TITLE OF INVENTION: Sequential Delivery Of Oligomeric Compounds
/ FILE REFERENCE: ISIS011-100 (CORE0033US)
/ CURRENT APPLICATION NUMBER: US/11/101,017
/ CURRENT FILING DATE: 2005-04-06
/ NUMBER OF SEQ ID NOS: 37
/ SOFTWARE: Patentin Ver. 2.1
/ SEQ ID NO 13
/ LENGTH: 20
/ TYPE: DNA
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: human JNK-2 antisense
US-11-101-017-13

Query Match      72.6%; Score 13.8; DB 7; Length 20;
Best Local Similarity 88.2%; Pred. No. 1.1e+03;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      1 GCGCGAGAGCCCGAACT 17
      ||||| ||||| ||||| |||||
Db      3 GCGCGAGAGCCCGAAAT 19

RESULT 30
US-11-111-288-11
/ Sequence 11, Application US/11111288
/ Publication No. US2005026123A1
/ GENERAL INFORMATION:
/ APPLICANT: Isis Pharmaceuticals, Inc.
/ APPLICANT: Sanjay Bhanot
/ APPLICANT: Kenneth W. Dobie
/ TITLE OF INVENTION: MODULATION OF GLUCOSE-6-PHOSPHATASE TRANSLOCASE EXPRESSION
/ FILE REFERENCE: HTS-0009US
/ CURRENT APPLICATION NUMBER: US/11/111,288
/ CURRENT FILING DATE: 2005-04-20
/ PRIOR APPLICATION NUMBER: 60/564,641
/ PRIOR FILING DATE: 2004-04-21
/ PRIOR APPLICATION NUMBER: 60/576,478
/ PRIOR FILING DATE: 2004-06-02
/ PRIOR APPLICATION NUMBER: 60/615,395
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/ PRIOR FILING DATE: 2004-09-30
/ NUMBER OF SEQ ID NOS: 341
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 11
/ LENGTH: 20
/ TYPE: DNA
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Oligomeric compound
US-11-111-288-11

Query Match      72.6%; Score 13.8; DB 7; Length 20;
Best Local Similarity 88.2%; Pred. No. 1.1e+03;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      1 GCGCGAGAGCCCGAACT 17
      ||||| ||||| ||||| |||||
Db      3 GCGCGAGAGCCCGAAAT 19

RESULT 31
US-11-136-815A-2
/ Sequence 2, Application US/1136815A
/ Publication No. US20050267065A1
/ GENERAL INFORMATION:
/ APPLICANT: Nicholas M. Dean
/ APPLICANT: Kenneth W. Dobie
/ APPLICANT: Rich Koiler
/ TITLE OF INVENTION: MODULATION OF AURORA B EXPRESSION
/ FILE REFERENCE: HTS-0034US
/ CURRENT APPLICATION NUMBER: US/11/136,815A
/ CURRENT FILING DATE: 2005-05-24
/ PRIOR APPLICATION NUMBER: 60/574,053
/ PRIOR FILING DATE: 2004-05-24
/ PRIOR APPLICATION NUMBER: 60/671,903
/ PRIOR FILING DATE: 2005-04-15
/ NUMBER OF SEQ ID NOS: 91
/ SEQ ID NO 2
/ LENGTH: 20
/ TYPE: DNA
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Antisense Compound
US-11-136-815A-2

Query Match      72.6%; Score 13.8; DB 7; Length 20;
Best Local Similarity 88.2%; Pred. No. 1.1e+03;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      1 GCGCGAGAGCCCGAACT 17
      ||||| ||||| ||||| |||||
Db      3 GCGCGAGAGCCCGAAAT 19

RESULT 32
US-11-066-725-2
/ Sequence 2, Application US/11066725
/ Publication No. US20050272680A1
/ GENERAL INFORMATION:
/ APPLICANT: Isis Pharmaceuticals Inc.
/ APPLICANT: Sanjay Bhanot
/ APPLICANT: Kenneth W. Dobie
/ APPLICANT: Xing-Xian Yu
/ APPLICANT: Brett P. Monia
/ TITLE OF INVENTION: MODULATION OF DIACYLGLYCEROL ACYLTRANSFERASE 2 EXPRESSION
/ FILE REFERENCE: HTS-0678US.C1
/ CURRENT APPLICATION NUMBER: US/11/066,725
/ CURRENT FILING DATE: 2005-02-24
/ PRIOR APPLICATION NUMBER: US/10/643,801
/ PRIOR FILING DATE: 2003-08-18
/ PRIOR APPLICATION NUMBER: PCT/US2004/024384
/ PRIOR FILING DATE: 2004-08-18
/ NUMBER OF SEQ ID NOS: 492
```

```
; SEQ ID NO 2
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-11-066-725-2

Query Match
Best Local Similarity 72.6%; Score 13.8; DB 7; Length 20;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GCGCGAGAGCCCGAAT 17
Db 3 GCGCGAGAGCCCGAAT 19

RESULT 33
US-11-124-020A-8
; Sequence 8, Application US/11124020A
; Publication No. US20050287558A1
; GENERAL INFORMATION:
; APPLICANT: Rosanne M. Crooke
; APPLICANT: Mark J. Graham
; APPLICANT: Steven Mah
; TITLE OF INVENTION: SNPS OF APOLIPOPROTEIN B AND MODULATION
; FILE REFERENCE: BIOL0021US
; CURRENT APPLICATION NUMBER: US/11/124,020A
; CURRENT FILING DATE: 2005-05-05
; NUMBER OF SEQ ID NOS: 23
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 8
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-11-124-020A-8

Query Match
Best Local Similarity 72.6%; Score 13.8; DB 7; Length 20;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GCGCGAGAGCCCGAAT 17
Db 3 GCGCGAGAGCCCGAAT 19

RESULT 34
US-11-004-762-36
; Sequence 36, Application US/11004762
; Publication No. US20060003953A1
; GENERAL INFORMATION:
; APPLICANT: C. Frank Bennett
; APPLICANT: Madeline W. Butler
; APPLICANT: Nicholas M. Dean
; APPLICANT: Kenneth W. Dobie
; APPLICANT: Joshua Finger
; APPLICANT: Ravi Jain
; APPLICANT: Robert McKay
; APPLICANT: Brett P. Monia
; APPLICANT: Kathleen Myers
; TITLE OF INVENTION: Compositions and their uses directed to bone growth modulators
; FILE REFERENCE: BIOL0050US
; CURRENT APPLICATION NUMBER: US/11/004,762
; CURRENT FILING DATE: 2004-12-03
; PRIOR APPLICATION NUMBER: US 60/527,370
; PRIOR FILING DATE: 2003-12-04
; PRIOR APPLICATION NUMBER: US 60/527,173
; PRIOR FILING DATE: 2003-12-04
; PRIOR APPLICATION NUMBER: US 60/527,172
; PRIOR FILING DATE: 2003-12-04
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; PRIOR APPLICATION NUMBER: US 60/527,420
; PRIOR FILING DATE: 2003-12-04
; PRIOR APPLICATION NUMBER: US 60/527,174
; PRIOR FILING DATE: 2003-12-04
; PRIOR APPLICATION NUMBER: US 60/527,397
; PRIOR FILING DATE: 2003-12-04
; NUMBER OF SEQ ID NOS: 680
; SOFTWARE: Patentseq version 1.0
; SEQ ID NO 36
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Compound
US-11-004-762-36

Query Match
Best Local Similarity 72.6%; Score 13.8; DB 7; Length 20;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GCGCGAGAGCCCGAAT 17
Db 3 GCGCGAGAGCCCGAAT 19

RESULT 35
US-11-072-806-24
; Sequence 24, Application US/11072806
; Publication No. US20050245474A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Brenda F.
; APPLICANT: Kraynak, Bryan A.
; TITLE OF INVENTION: DOUBLE STRANDED CONSTRUCTS COMPRISING ONE OR MORE SHORT STRANDS
; FILE REFERENCE: COR0036US
; CURRENT APPLICATION NUMBER: US/11/072,806
; CURRENT FILING DATE: 2005-03-04
; PRIOR APPLICATION NUMBER: 60/551,670
; PRIOR FILING DATE: 2004-03-08
; NUMBER OF SEQ ID NOS: 26
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 24
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Compound
; NAME/KEY: misc_feature
; LOCATION: 1-5, 15-20
; OTHER INFORMATION: bases at these positions are RNA
US-11-072-806-24

Query Match
Best Local Similarity 72.6%; Score 13.8; DB 9; Length 20;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GCGCGAGAGCCCGAAT 17
Db 3 GCGCGAGAGCCCGAAT 19

RESULT 36
US-11-097-928-2
; Sequence 2, Application US/11097928
; Publication No. US20050244869A1
; GENERAL INFORMATION:
; APPLICANT: Vickie L. Brown-Driver
; APPLICANT: Ravi Jain
; TITLE OF INVENTION: MODULATION OF TRANSDHYRETIN EXPRESSION
; FILE REFERENCE: RTS-0531US
; CURRENT APPLICATION NUMBER: US/11/097,928
; CURRENT FILING DATE: 2005-04-01
```

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; NUMBER OF SEQ ID NOS: 133
; SEQ ID NO 2
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Compound
US-11-097-928-2

Query Match      72.6%; Score 13.8; DB 9; Length 20;
Best Local Similarity 88.2%; Pred. No. 1.1e+03;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      1  GCGGAGAGCCCGAAGT 17
          |||||
Db      3  GCGGAGAGCCCGAAGT 19

RESULT 37
US-11-001-347-2005/c
; Sequence 2005, Application US/11001347
; Publication No. US20050261219A1
; GENERAL INFORMATION:
; APPLICANT: Sirta Therapeutics, Inc.
; APPLICANT: Richards, Ivan
; APPLICANT: Polisky, Barry
; APPLICANT: McSwigen, James
; TITLE OF INVENTION: RNA Interference Mediated Inhibition of Interleukin and
; TITLE OF INVENTION: Interleukin Receptor Gene Expression Using Short Interfering
; FILE REFERENCE: 400/239 (MBHB03-084-G)
; CURRENT APPLICATION NUMBER: US/11/001,347
; CURRENT FILING DATE: 2004-12-01
; PRIOR APPLICATION NUMBER: US 10/922,675
; PRIOR FILING DATE: 2004-08-20
; PRIOR APPLICATION NUMBER: US 10/863,973
; PRIOR FILING DATE: 2004-07-09
; PRIOR APPLICATION NUMBER: PCT/US03/04566
; PRIOR FILING DATE: 2003-02-14
; PRIOR APPLICATION NUMBER: PCT/US04/16390
; PRIOR FILING DATE: 2004-05-24
; PRIOR APPLICATION NUMBER: US 10/826,966
; PRIOR FILING DATE: 2004-04-16
; PRIOR APPLICATION NUMBER: US 10/757,803
; PRIOR FILING DATE: 2004-01-14
; PRIOR APPLICATION NUMBER: US 10/720,448
; PRIOR FILING DATE: 2003-11-24
; PRIOR APPLICATION NUMBER: US 10/693,059
; PRIOR FILING DATE: 2003-10-23
; PRIOR APPLICATION NUMBER: US 10/444,853
; PRIOR FILING DATE: 2003-05-23
; PRIOR APPLICATION NUMBER: PCT/US03/05346
; PRIOR FILING DATE: 2003-02-20
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 2362
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 2005
; LENGTH: 21
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic
; NAME/KEY: misc_feature
; LOCATION: (1)..(1)
; OTHER INFORMATION: 5'-3' attached terminal deoxyabasic moiety
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)..(2)
; OTHER INFORMATION: 2'-deoxy-2'-Fluoro
; NAME/KEY: misc_feature
; LOCATION: (3)..(3)
```

```

; OTHER INFORMATION: 2'-deoxy
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (4)..(4)
; OTHER INFORMATION: 2'-deoxy-2'-Fluoro
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (5)..(6)
; OTHER INFORMATION: 2'-deoxy
; NAME/KEY: misc_feature
; LOCATION: (7)..(10)
; OTHER INFORMATION: 2'-deoxy-2'-Fluoro
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (11)..(12)
; OTHER INFORMATION: 2'-deoxy
; NAME/KEY: misc_feature
; LOCATION: (13)..(17)
; OTHER INFORMATION: 2'-deoxy-2'-Fluoro
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (18)..(18)
; OTHER INFORMATION: 2'-deoxy
; NAME/KEY: misc_feature
; LOCATION: (19)..(19)
; OTHER INFORMATION: 2'-deoxy-2'-Fluoro
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (21)..(21)
; OTHER INFORMATION: 3'-3' attached terminal deoxyabasic moiety
US-11-001-347-2005

Query Match      72.6%; Score 13.8; DB 7; Length 21;
Best Local Similarity 88.2%; Pred. No. 1.1e+03;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      3  GCGAGAGCCCGAAGTGC 19
          |||||
Db      19 GCGAGAGCCCGAAGTGC 3

RESULT 38
US-11-001-347-2037
; Sequence 2037, Application US/11001347
; Publication No. US20050261219A1
; GENERAL INFORMATION:
; APPLICANT: Sirta Therapeutics, Inc.
; APPLICANT: Richards, Ivan
; APPLICANT: Polisky, Barry
; APPLICANT: McSwigen, James
; TITLE OF INVENTION: RNA Interference Mediated Inhibition of Interleukin and
; TITLE OF INVENTION: Interleukin Receptor Gene Expression Using Short Interfering
; FILE REFERENCE: 400/239 (MBHB03-084-G)
; CURRENT APPLICATION NUMBER: US/11/001,347
; CURRENT FILING DATE: 2004-12-01
; PRIOR APPLICATION NUMBER: US 10/922,675
; PRIOR FILING DATE: 2004-08-20
; PRIOR APPLICATION NUMBER: US 10/863,973
; PRIOR FILING DATE: 2004-07-09
; PRIOR APPLICATION NUMBER: PCT/US03/04566
; PRIOR FILING DATE: 2003-02-14
; PRIOR APPLICATION NUMBER: PCT/US04/16390
; PRIOR FILING DATE: 2004-05-24
; PRIOR APPLICATION NUMBER: US 10/826,966
; PRIOR FILING DATE: 2004-04-16
; PRIOR APPLICATION NUMBER: US 10/757,803
; PRIOR FILING DATE: 2004-01-14
; PRIOR APPLICATION NUMBER: US 10/720,448
; PRIOR FILING DATE: 2003-11-24
```

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; PRIOR APPLICATION NUMBER: US 10/693,059
; PRIOR FILING DATE: 2003-10-23
; PRIOR APPLICATION NUMBER: US 10/444,853
; PRIOR FILING DATE: 2003-05-23
; PRIOR APPLICATION NUMBER: PCT/US03/05346
; PRIOR FILING DATE: 2003-02-20
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 2362
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 2037
; LENGTH: 21
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)..(1)
; OTHER INFORMATION: 2'-O-methyl
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (3)..(7)
; OTHER INFORMATION: 2'-O-methyl
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (8)..(9)
; OTHER INFORMATION: 2'-deoxy-2'-Fluoro
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (10)..(13)
; OTHER INFORMATION: 2'-O-methyl
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (15)..(16)
; OTHER INFORMATION: 2'-O-methyl
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (17)..(17)
; OTHER INFORMATION: 2'-deoxy-2'-Fluoro
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (18)..(19)
; OTHER INFORMATION: 2'-O-methyl
; OTHER INFORMATION: 2'-O-methyl
US-11-001-347-2037

Query Match      72.6%; Score 13.8; DB 7; Length 21;
Best Local Similarity 82.4%; Pred. No. 1.1e+03;
Matches 14; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY      3  GCGAGAGCCCGAAGCTGC 19
Db      1  GCGAGAGCCGAGACTGC 17

RESULT 39
US-11-001-347-1823/C
; Sequence 1823, Application US/11001347
; Publication No. US20050261219A1
; GENERAL INFORMATION:
; APPLICANT: Sirna Therapeutics, Inc.
; APPLICANT: Richards, Ivan
; APPLICANT: Polisky, Barry
; APPLICANT: McSwigen, James
; TITLE OF INVENTION: RNA interference Mediated Inhibition of Interleukin and
; TITLE OF INVENTION: Interleukin Receptor Gene Expression Using Short Interfering
; FILE REFERENCE: 400/239 (MEHB03-084-G)
; CURRENT APPLICATION NUMBER: US/11/001,347
; CURRENT FILING DATE: 2004-12-01
```

```

; PRIOR APPLICATION NUMBER: US 10/922,675
; PRIOR FILING DATE: 2004-08-20
; PRIOR APPLICATION NUMBER: US 10/863,973
; PRIOR FILING DATE: 2004-07-09
; PRIOR APPLICATION NUMBER: PCT/US03/04566
; PRIOR FILING DATE: 2003-02-14
; PRIOR APPLICATION NUMBER: PCT/US04/16390
; PRIOR FILING DATE: 2004-05-24
; PRIOR APPLICATION NUMBER: US 10/826,966
; PRIOR FILING DATE: 2004-04-16
; PRIOR APPLICATION NUMBER: US 10/757,803
; PRIOR FILING DATE: 2004-01-14
; PRIOR APPLICATION NUMBER: US 10/720,448
; PRIOR FILING DATE: 2003-11-24
; PRIOR APPLICATION NUMBER: US 10/693,059
; PRIOR FILING DATE: 2003-10-23
; PRIOR APPLICATION NUMBER: US 10/444,853
; PRIOR FILING DATE: 2003-05-23
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 2362
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 1823
; LENGTH: 23
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic
US-11-001-347-1823

Query Match      72.6%; Score 13.8; DB 7; Length 23;
Best Local Similarity 88.2%; Pred. No. 1e+03;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      3  GCGAGAGCCCGAAGCTGC 19
Db      23 GCGAGAGCCGAGACTGC 7

RESULT 40
US-11-001-347-1824/C
; Sequence 1824, Application US/11001347
; Publication No. US20050261219A1
; GENERAL INFORMATION:
; APPLICANT: Sirna Therapeutics, Inc.
; APPLICANT: Richards, Ivan
; APPLICANT: Polisky, Barry
; APPLICANT: McSwigen, James
; TITLE OF INVENTION: RNA interference Mediated Inhibition of Interleukin and
; TITLE OF INVENTION: Interleukin Receptor Gene Expression Using Short Interfering
; FILE REFERENCE: 400/239 (MEHB03-084-G)
; CURRENT APPLICATION NUMBER: US/11/001,347
; CURRENT FILING DATE: 2004-12-01
; PRIOR APPLICATION NUMBER: US 10/922,675
; PRIOR FILING DATE: 2004-08-20
; PRIOR APPLICATION NUMBER: US 10/863,973
; PRIOR FILING DATE: 2004-07-09
; PRIOR APPLICATION NUMBER: PCT/US03/04566
; PRIOR FILING DATE: 2003-02-14
; PRIOR APPLICATION NUMBER: PCT/US04/16390
; PRIOR FILING DATE: 2004-05-24
; PRIOR APPLICATION NUMBER: US 10/826,966
; PRIOR FILING DATE: 2004-04-16
; PRIOR APPLICATION NUMBER: US 10/757,803
; PRIOR FILING DATE: 2004-01-14
; PRIOR APPLICATION NUMBER: US 10/720,448
; PRIOR FILING DATE: 2003-11-24
; PRIOR APPLICATION NUMBER: US 10/693,059
; PRIOR FILING DATE: 2003-10-23
; PRIOR APPLICATION NUMBER: US 10/444,853
; PRIOR FILING DATE: 2003-05-23
```

PRIOR APPLICATION NUMBER: PCT/US03/05346
PRIOR FILING DATE: 2003-02-20
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 2362
SOFTWARE: PatentIn version 3.3
SEQ ID NO 1824
LENGTH: 23
TYPE: RNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Synthetic
US-11-001-347-1824

Query Match 72.6%; Score 13.8; DB 7; Length 23;
Best Local Similarity 88.2%; Pred. No. 1e+03;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 3 GCGAGAGCCCGAAGCTGC 19
DB 22 GCGAGAGCCCGAAGCTGC 6

RESULT 41
US-11-001-347-1825/C
Sequence 1825, Application US/11001347
Publication No. US20050261219A1
GENERAL INFORMATION:
APPLICANT: Sirta Therapeutics, Inc.
APPLICANT: Richards, Ivan
APPLICANT: Polisky, Barry
APPLICANT: McSwiggen, James
TITLE OF INVENTION: RNA Interference Mediated Inhibition of Interleukin and
TITLE OF INVENTION: Interleukin Receptor Gene Expression Using Short Interfering
FILE REFERENCE: 400/239 (MEHB03-084-G)
CURRENT APPLICATION NUMBER: US/11/001,347
CURRENT FILING DATE: 2004-12-01
PRIOR APPLICATION NUMBER: US 10/922,675
PRIOR FILING DATE: 2004-08-20
PRIOR APPLICATION NUMBER: US 10/863,973
PRIOR FILING DATE: 2004-07-09
PRIOR APPLICATION NUMBER: PCT/US03/04566
PRIOR FILING DATE: 2003-02-14
PRIOR APPLICATION NUMBER: PCT/US04/16390
PRIOR FILING DATE: 2004-05-24
PRIOR APPLICATION NUMBER: US 10/826,966
PRIOR FILING DATE: 2004-04-16
PRIOR APPLICATION NUMBER: US 10/757,803
PRIOR FILING DATE: 2004-01-14
PRIOR APPLICATION NUMBER: US 10/720,448
PRIOR FILING DATE: 2003-11-24
PRIOR APPLICATION NUMBER: US 10/693,059
PRIOR FILING DATE: 2003-10-23
PRIOR APPLICATION NUMBER: US 10/444,853
PRIOR FILING DATE: 2003-05-23
PRIOR APPLICATION NUMBER: PCT/US03/05346
PRIOR FILING DATE: 2003-02-20
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 2362
SOFTWARE: PatentIn version 3.3
SEQ ID NO 1825
LENGTH: 23
TYPE: RNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Synthetic
US-11-001-347-1825

Query Match 72.6%; Score 13.8; DB 7; Length 23;
Best Local Similarity 88.2%; Pred. No. 1e+03;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 3 GCGAGAGCCCGAAGCTGC 19

DB 21 GCGAGAGCCCGAAGCTGC 5

RESULT 42
US-11-136-527-284853/C
Sequence 284853, Application US/11136527
Publication No. US20050287570A1
GENERAL INFORMATION:
APPLICANT: Wyeth
APPLICANT: Mounts, William M
TITLE OF INVENTION: Probe Arrays For Expression Profiling of Rat Genes
FILE REFERENCE: 031896-041000 (AM101086)
CURRENT APPLICATION NUMBER: US/11/136,527
CURRENT FILING DATE: 2005-05-25
PRIOR APPLICATION NUMBER: US 60/574,294
PRIOR FILING DATE: 2005-05-26
NUMBER OF SEQ ID NOS: 362830
SOFTWARE: PatentIn version 3.2
SEQ ID NO 284853
LENGTH: 25
TYPE: DNA
ORGANISM: Artificial
FEATURE:
OTHER INFORMATION: Probe
US-11-136-527-284853

Query Match 72.6%; Score 13.8; DB 7; Length 25;
Best Local Similarity 88.2%; Pred. No. 1e+03;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 3 GCGAGAGCCCGAAGCTGC 19
DB 18 GCGAGAGCCCGAAGCTGC 2

RESULT 43
US-11-136-527-1917/C
Sequence 1917, Application US/11136527
Publication No. US20050287570A1
GENERAL INFORMATION:
APPLICANT: Wyeth
APPLICANT: Mounts, William M
TITLE OF INVENTION: Probe Arrays For Expression Profiling of Rat Genes
FILE REFERENCE: 031896-041000 (AM101086)
CURRENT APPLICATION NUMBER: US/11/136,527
CURRENT FILING DATE: 2005-05-25
PRIOR APPLICATION NUMBER: US 60/574,294
PRIOR FILING DATE: 2005-05-26
NUMBER OF SEQ ID NOS: 362830
SOFTWARE: PatentIn version 3.2
SEQ ID NO 1917
LENGTH: 443
TYPE: DNA
ORGANISM: Rattus norvegicus
US-11-136-527-1917

Query Match 72.6%; Score 13.8; DB 7; Length 443;
Best Local Similarity 88.2%; Pred. No. 7.7e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 3 GCGAGAGCCCGAAGCTGC 19
DB 35 GCGAGAGCCCGAAGCTGC 19

RESULT 44
US-11-136-527-6013/C
Sequence 6013, Application US/11136527
Publication No. US20050287570A1
GENERAL INFORMATION:
APPLICANT: Wyeth
APPLICANT: Mounts, William M

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; TITLE OF INVENTION: Probe Arrays For Expression Profiling of Rat Genes
; FILE REFERENCE: 031896-041000 (AM101086)
; CURRENT APPLICATION NUMBER: US/11/136,527
; CURRENT FILING DATE: 2005-05-25
; PRIOR APPLICATION NUMBER: US 60/574,294
; PRIOR FILING DATE: 2005-05-26
; NUMBER OF SEQ ID NOS: 362830
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 6013
; LENGTH: 443
; TYPE: DNA
; ORGANISM: Rattus norvegicus
US-11-136-527-6013

Query Match      72.6%; Score 13.8; DB 7; Length 443;
Best Local Similarity 88.2%; Pred. No. 7.7e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy      3 GCGAGAGCCCGAAGCTGC 19
Db      35 GCGAGAGCCCGAAGCTGC 19

RESULT 45
US-11-136-527-6062/c
; Sequence 6062, Application US/11136527
; Publication No. US20050287570A1
; GENERAL INFORMATION:
; APPLICANT: Wyeth
; APPLICANT: Mounts, William M
; TITLE OF INVENTION: Probe Arrays For Expression Profiling of Rat Genes
; FILE REFERENCE: 031896-041000 (AM101086)
; CURRENT APPLICATION NUMBER: US/11/136,527
; CURRENT FILING DATE: 2005-05-25
; PRIOR APPLICATION NUMBER: US 60/574,294
; PRIOR FILING DATE: 2005-05-26
; NUMBER OF SEQ ID NOS: 362830
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 6062
; LENGTH: 600
; TYPE: DNA
; ORGANISM: Rattus norvegicus
US-11-136-527-6062

Query Match      72.6%; Score 13.8; DB 7; Length 600;
Best Local Similarity 78.9%; Pred. No. 7.5e+02;
Matches 15; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

Qy      1 GCGGAGAGCCCGAAGCTGC 19
Db      177 GCACAGAGCCCGAAGAGC 159

RESULT 46
US-10-750-185-25739/c
; Sequence 25739, Application US/10750185
; Publication No. US20050260603A1
; GENERAL INFORMATION:
; APPLICANT: MMI GENOMICS, INC.
; APPLICANT: DENISE, Sue K.
; APPLICANT: KERR, Richard
; APPLICANT: ROSENFIELD, David
; APPLICANT: HOLM, Tom
; APPLICANT: BATES, Stephen
; APPLICANT: FANTIN, Dennis
; TITLE OF INVENTION: COMPOSITIONS FOR INFERRING BOVINE TRAITS
; FILE REFERENCE: MM1100-2
; CURRENT APPLICATION NUMBER: US/10/750,185
; CURRENT FILING DATE: 2003-12-31
; PRIOR APPLICATION NUMBER: US 60/437,482
; PRIOR FILING DATE: 2002-12-31
; NUMBER OF SEQ ID NOS: 64922
; SOFTWARE: PatentIn version 3.1
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; SEQ ID NO 25739
; LENGTH: 2003
; TYPE: DNA
; ORGANISM: Bovine 1986680290468
US-10-750-185-25739

Query Match      72.6%; Score 13.8; DB 6; Length 2003;
Best Local Similarity 88.2%; Pred. No. 6.6e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy      1 GCGGAGAGCCCGAAGCT 17
Db      1221 GAGCGAGGCGCCGAAGCT 1205

RESULT 47
US-10-750-623-25739/c
; Sequence 25739, Application US/10750623
; Publication No. US20050287531A1
; GENERAL INFORMATION:
; APPLICANT: MMI GENOMICS, INC.
; APPLICANT: DENISE, Sue K.
; APPLICANT: KERR, Richard
; APPLICANT: ROSENFIELD, David
; APPLICANT: HOLM, Tom
; APPLICANT: BATES, Stephen
; APPLICANT: FANTIN, Dennis
; TITLE OF INVENTION: METHODS AND SYSTEMS FOR INFERRING BOVINE TRAITS
; FILE REFERENCE: MM1100-1
; CURRENT APPLICATION NUMBER: US/10/750,623
; CURRENT FILING DATE: 2003-12-31
; PRIOR APPLICATION NUMBER: US 60/437,482
; PRIOR FILING DATE: 2002-12-31
; NUMBER OF SEQ ID NOS: 64922
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 25739
; LENGTH: 2003
; TYPE: DNA
; ORGANISM: Bovine 1986680290468
US-10-750-623-25739

Query Match      72.6%; Score 13.8; DB 6; Length 2003;
Best Local Similarity 88.2%; Pred. No. 6.6e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy      1 GCGGAGAGCCCGAAGCT 17
Db      1221 GAGCGAGGCGCCGAAGCT 1205

RESULT 48
US-11-136-527-1966/c
; Sequence 1966, Application US/11136527
; Publication No. US20050287570A1
; GENERAL INFORMATION:
; APPLICANT: Wyeth
; APPLICANT: Mounts, William M
; TITLE OF INVENTION: Probe Arrays For Expression Profiling of Rat Genes
; FILE REFERENCE: 031896-041000 (AM101086)
; CURRENT APPLICATION NUMBER: US/11/136,527
; CURRENT FILING DATE: 2005-05-25
; PRIOR APPLICATION NUMBER: US 60/574,294
; PRIOR FILING DATE: 2005-05-26
; NUMBER OF SEQ ID NOS: 362830
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 1966
; LENGTH: 2329
; TYPE: DNA
; ORGANISM: Rattus norvegicus
US-11-136-527-1966

Query Match      72.6%; Score 13.8; DB 7; Length 2329;
Best Local Similarity 78.9%; Pred. No. 6.5e+02;
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Matches 15; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY 1 GCGGAGAGCCGACTGC 19
Db 1906 GCAGSAGAGCCGAGAGGC 1888

RESULT 49

US-11-000-688-1278/C
; Sequence 1278, Application US/11000688
; Publication No. US20050287544A1
; GENERAL INFORMATION:
; APPLICANT: BERTUCCI, Francois
; APPLICANT: HOUIGATTE, Remi
; APPLICANT: BIRBAUM, Daniel
; TITLE OF INVENTION: GENE EXPRESSION PROFILING OF COLON CANCER WITH DNA ARRAYS
; FILE REFERENCE: 1423-R-03
; CURRENT APPLICATION NUMBER: US/11/000,688
; PRIOR FILING DATE: 2004-12-01
; PRIOR APPLICATION NUMBER: US 60/525,987
; PRIOR FILING DATE: 2003-12-01
; NUMBER OF SEQ ID NOS: 1596
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 1278
; LENGTH: 2774
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial sequences: primer
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)-(2774)
; OTHER INFORMATION: epidermal growth factor receptor substrate
; OTHER INFORMATION: eps1sr(eps1sr) gene.
US-11-000-688-1278

Query Match 72.6%; Score 13.8; DB 7; Length 2774;
Best Local Similarity 88.2%; Pred. No. 6.4e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 2 CCGGAGAGCCGACTG 18
Db 1132 CGAGAGGCTGACTG 1116

RESULT 50

US-10-131-826A-113/C
; Sequence 113, Application US/10131826A
; Publication No. US20050245730A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Geo, Wei-Qiang
; APPLICANT: Gerlitsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tuma, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C128
; CURRENT APPLICATION NUMBER: US/10/131,826A
; CURRENT FILING DATE: 2002-04-24
; PRIOR APPLICATION NUMBER: 60/049911

; PRIOR FILING DATE: 1997-06-18
; PRIOR APPLICATION NUMBER: 60/056974
; PRIOR FILING DATE: 1997-08-26
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059115
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059117
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059122
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059184
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059352
; PRIOR FILING DATE: 1997-09-19
; PRIOR APPLICATION NUMBER: 60/059588
; PRIOR FILING DATE: 1997-09-19
; Remaining Prior Application data removed - See file wrapper or PALM.
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 113
; LENGTH: 3323
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-131-826A-113

Query Match 72.6%; Score 13.8; DB 6; Length 3323;
Best Local Similarity 88.2%; Pred. No. 6.3e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 2 CCGGAGAGCCGACTG 18
Db 858 CCGGAGGCTGACTG 842

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Job time : 281.249 secs

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OM nucleic - nucleic search, using sw model

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Title: US-10-086-206a-5
Perfect score: 19
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Listing first 1000 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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C 2	17.4	91.6	4411529	3	US-09-103-840A-1
C 3	16.4	86.3	1020	3	US-09-902-540-6405
C 4	16.4	86.3	1960	3	US-09-902-540-431
5	16	84.2	2043	3	US-10-029-180-27
6	15.8	83.2	511	3	US-09-404-879A-68
7	15.8	83.2	511	3	US-09-338-933-68
8	15.8	83.2	511	3	US-09-215-681-68
9	15.8	83.2	511	3	US-09-216-003A-68
10	15.8	83.2	511	3	US-09-667-857-68
11	15.8	83.2	511	3	US-10-198-053-68
12	15.8	83.2	511	3	US-09-827-871-68
13	15.8	83.2	530	3	US-09-878-281A-157
C 14	15.8	83.2	601	3	US-09-949-016-124789
C 15	15.8	83.2	993	3	US-09-489-039A-4468
C 16	15.8	83.2	1098	3	US-09-489-039A-5770
C 17	15.8	83.2	1695	3	US-09-252-991A-1686
C 18	15.8	83.2	1740	3	US-09-252-991A-1492
C 19	15.8	83.2	1806	3	US-09-252-991A-1534
C 20	15.8	83.2	1971	2	US-09-902-540-3896
C 21	15.8	83.2	2761	2	US-08-178-477B-42
C 22	15.8	83.2	3018	3	US-09-252-991A-8084
C 23	15.8	83.2	3076	3	US-09-710-794-1
C 24	15.8	83.2	4549	3	US-09-620-312D-266

C 25	15.8	83.2	4608	3	US-09-949-016-5404	Sequence 5404, Ap
C 26	15.8	83.2	4617	3	US-09-949-016-1005	Sequence 1005, Ap
C 27	15.8	83.2	4942	3	US-09-620-312D-267	Sequence 267, Ap
C 28	15.8	83.2	6588	3	US-09-949-016-1076	Sequence 1076, Ap
C 29	15.8	83.2	8920	3	US-09-949-016-15145	Sequence 15145, A
C 30	15.8	83.2	19222	3	US-09-902-540-1192	Sequence 1192, Ap
C 31	15.8	83.2	30678	3	US-09-949-016-12818	Sequence 12818, A
C 32	15.8	83.2	34725	3	US-09-949-002-665	Sequence 665, App
C 33	15.8	83.2	34726	3	US-09-949-002-857	Sequence 857, App
C 34	15.8	83.2	55328	3	US-09-949-016-12747	Sequence 12747, A
C 35	15.8	83.2	55330	3	US-09-949-016-17146	Sequence 17146, A
C 36	15.8	83.2	192302	3	US-09-949-016-15270	Sequence 15270, A
C 37	15.8	83.2	4403765	3	US-09-103-840A-2	Sequence 2, Appl1
C 38	15.8	83.2	441529	3	US-09-103-840A-1	Sequence 1, Appl1
C 39	15.4	81.1	601	3	US-09-949-016-36726	Sequence 36726, A
C 40	15.4	81.1	601	3	US-09-949-016-154754	Sequence 154754, A
C 41	15.4	81.1	927	3	US-09-489-039A-188	Sequence 188, App
C 42	15.4	81.1	1020	3	US-09-902-540-5784	Sequence 5784, Ap
C 43	15.4	81.1	2721	3	US-09-252-991A-16144	Sequence 16144, A
C 44	15.4	81.1	72704	3	US-09-902-540-1273	Sequence 1273, Ap
C 45	15.4	81.1	275110	3	US-09-949-016-12706	Sequence 12706, A
C 46	15.4	81.1	275110	3	US-09-949-016-16070	Sequence 16070, A
C 47	14.8	77.9	246	3	US-09-489-039A-4912	Sequence 4912, Ap
C 48	14.8	77.9	286	3	US-09-513-999C-23269	Sequence 23269, A
C 49	14.8	77.9	381	3	US-09-489-039A-1711	Sequence 1711, Ap
C 50	14.8	77.9	462	3	US-09-252-991A-10	Sequence 10, Appl1
C 51	14.8	77.9	474	3	US-09-252-991A-9	Sequence 9, Appl1
C 52	14.8	77.9	510	3	US-09-489-039A-1773	Sequence 1773, Ap
C 53	14.8	77.9	828	3	US-09-489-039A-4976	Sequence 4976, Ap
C 54	14.8	77.9	1002	3	US-09-328-352-2261	Sequence 2261, Ap
C 55	14.8	77.9	1161	3	US-09-489-039A-1600	Sequence 1600, Ap
C 56	14.8	77.9	1188	3	US-09-489-039A-5167	Sequence 5167, Ap
C 57	14.8	77.9	1220	3	US-09-902-540-8040	Sequence 8040, Ap
C 58	14.8	77.9	1329	3	US-08-945-515-3	Sequence 3, Appl1
C 59	14.8	77.9	1614	3	US-09-252-991A-10453	Sequence 10453, A
C 60	14.8	77.9	1692	3	US-10-148-724A-1	Sequence 1, Appl1
C 61	14.8	77.9	1692	3	US-10-148-724A-3	Sequence 3, Appl1
C 62	14.8	77.9	1692	3	US-10-148-724A-4	Sequence 4, Appl1
C 63	14.8	77.9	1692	3	US-10-148-724A-6	Sequence 6, Appl1
C 64	14.8	77.9	1692	3	US-10-148-724A-7	Sequence 7, Appl1
C 65	14.8	77.9	1692	3	US-10-148-724A-8	Sequence 8, Appl1
C 66	14.8	77.9	2051	2	US-07-864-475A-3	Sequence 3, Appl1
C 67	14.8	77.9	2051	2	US-08-468-249A-3	Sequence 3, Appl1
C 68	14.8	77.9	2529	3	US-09-489-039A-4399	Sequence 4399, Ap
C 69	14.8	77.9	3255	3	US-09-252-991A-10617	Sequence 10617, A
C 70	14.8	77.9	3375	3	US-09-252-991A-10239	Sequence 10239, A
C 71	14.8	77.9	6348	3	US-09-976-594-756	Sequence 756, App
C 72	14.8	77.9	6348	3	US-09-919-039-366	Sequence 366, App
C 73	14.8	77.9	6371	3	US-08-836-325-13	Sequence 13, Appl1
C 74	14.8	77.9	6371	3	US-08-457-571-13	Sequence 13, Appl1
C 75	14.8	77.9	6404	3	US-08-836-325-14	Sequence 14, Appl1
C 76	14.8	77.9	6404	3	US-09-457-571-14	Sequence 14, Appl1
C 77	14.8	77.9	6452	3	US-08-836-325-9	Sequence 9, Appl1
C 78	14.8	77.9	6452	3	US-09-457-571-9	Sequence 9, Appl1
C 79	14.8	77.9	6611	2	US-08-402-282-2	Sequence 2, Appl1
C 80	14.8	77.9	6611	2	US-08-508-004-2	Sequence 2, Appl1
C 81	14.8	77.9	6611	2	US-08-402-066-2	Sequence 2, Appl1
C 82	14.8	77.9	6611	2	US-08-402-068-2	Sequence 2, Appl1
C 83	14.8	77.9	6808	3	US-09-902-540-819	Sequence 819, App
C 84	14.8	77.9	10952	2	US-08-602-036A-1	Sequence 1, Appl1
C 85	14.8	77.9	10952	2	US-08-502-374A-1	Sequence 1, Appl1
C 86	14.8	77.9	10952	2	US-08-642-407A-1	Sequence 1, Appl1
C 87	14.8	77.9	12859	2	US-09-902-540-1240	Sequence 1240, Ap
C 88	14.8	77.9	14029	3	US-09-949-016-17002	Sequence 17002, A
C 89	14.8	77.9	162914	3	US-09-949-016-15578	Sequence 15578, A
C 90	14.8	77.9	246240	2	US-08-724-394A-20	Sequence 20, Appl1
C 91	14.8	77.9	246240	2	US-08-724-394A-21	Sequence 21, Appl1
C 92	14.8	77.9	246240	2	US-08-724-394A-22	Sequence 22, Appl1
C 93	14.8	77.9	422592	3	US-09-949-016-14182	Sequence 14182, A
C 94	14.4	75.8	28	3	US-09-234-393-9	Sequence 9, Appl1
C 95	14.4	75.8	30	3	US-09-865-171-9	Sequence 9, Appl1
C 96	14.4	75.8	30	3	US-09-234-393-28	Sequence 28, Appl1
C 97	14.4	75.8	30	3	US-09-865-171-28	Sequence 28, Appl1

C 98	14.4	75.8	404	3	US-09-234-993-8	Sequence 8, Appl1	C 171	14.2	74.7	495	3	US-09-902-540-6611	Sequence 6611, Ap
C 99	14.4	75.8	404	3	US-09-865-171-8	Sequence 8, Appl1	C 172	14.2	74.7	501	3	US-09-188-930-37	Sequence 37, Appl
C 100	14.4	75.8	449	3	US-09-040-984-20	Sequence 20, Appl	C 173	14.2	74.7	501	3	US-09-188-930-37	Sequence 207, App
C 101	14.4	75.8	449	3	US-09-123-912-20	Sequence 20, Appl	C 174	14.2	74.7	501	3	US-09-312-283C-37	Sequence 37, Appl
C 102	14.4	75.8	449	3	US-09-643-917-20	Sequence 20, Appl	C 175	14.2	74.7	501	3	US-09-312-283C-207	Sequence 207, App
C 103	14.4	75.8	449	3	US-09-480-884A-20	Sequence 20, Appl	C 176	14.2	74.7	531	3	US-09-404-879A-94	Sequence 94, Appl
C 104	14.4	75.8	449	3	US-09-542-615A-20	Sequence 20, Appl	C 177	14.2	74.7	531	3	US-09-338-933-94	Sequence 94, Appl
C 105	14.4	75.8	449	3	US-09-606-421B-20	Sequence 20, Appl	C 178	14.2	74.7	531	3	US-09-215-681-94	Sequence 94, Appl
C 106	14.4	75.8	449	3	US-09-221-107-20	Sequence 20, Appl	C 179	14.2	74.7	531	3	US-09-216-003A-94	Sequence 94, Appl
C 107	14.4	75.8	449	3	US-09-466-396A-20	Sequence 20, Appl	C 180	14.2	74.7	531	3	US-09-667-857-94	Sequence 94, Appl
C 108	14.4	75.8	449	3	US-09-476-496A-20	Sequence 20, Appl	C 181	14.2	74.7	531	3	US-10-198-053-94	Sequence 94, Appl
C 109	14.4	75.8	449	3	US-09-630-940B-20	Sequence 20, Appl	C 182	14.2	74.7	531	3	US-09-827-271-94	Sequence 94, Appl
C 110	14.4	75.8	449	3	US-09-285-479-20	Sequence 20, Appl	C 183	14.2	74.7	600	3	US-09-270-767-2853	Sequence 2853, Ap
C 111	14.4	75.8	449	3	US-10-007-700-20	Sequence 20, Appl	C 184	14.2	74.7	600	3	US-09-270-767-18335	Sequence 18135, A
C 112	14.4	75.8	449	3	US-09-220-528-73	Sequence 73, Appl	C 185	14.2	74.7	601	3	US-09-949-016-45834	Sequence 45834, A
C 113	14.4	75.8	488	3	US-09-250-528-74	Sequence 74, Appl	C 186	14.2	74.7	601	3	US-09-949-016-45856	Sequence 45856, A
C 114	14.4	75.8	491	3	US-09-513-999C-10507	Sequence 10507, A	C 187	14.2	74.7	601	3	US-09-949-016-136624	Sequence 136624, A
C 115	14.4	75.8	498	3	US-09-621-976-1523	Sequence 1523, Ap	C 188	14.2	74.7	601	3	US-09-949-016-138244	Sequence 138244, A
C 116	14.4	75.8	601	3	US-09-949-016-93946	Sequence 93946, A	C 189	14.2	74.7	601	3	US-09-949-016-118245	Sequence 118245, A
C 117	14.4	75.8	604	3	US-09-702-705-258	Sequence 258, App	C 190	14.2	74.7	615	3	US-09-902-540-6106	Sequence 6106, Ap
C 118	14.4	75.8	604	3	US-09-736-457-258	Sequence 258, App	C 191	14.2	74.7	666	3	US-09-902-540-8333	Sequence 8333, Ap
C 119	14.4	75.8	604	3	US-09-614-124B-258	Sequence 258, App	C 192	14.2	74.7	666	3	US-09-489-039A-1828	Sequence 1828, Ap
C 120	14.4	75.8	604	3	US-09-671-325-258	Sequence 258, App	C 193	14.2	74.7	696	3	US-09-902-540-4012	Sequence 4012, Ap
C 121	14.4	75.8	604	3	US-09-589-184-258	Sequence 258, App	C 194	14.2	74.7	697	3	US-09-533-559-6869	Sequence 6869, Ap
C 122	14.4	75.8	604	3	US-09-658-824-258	Sequence 258, App	C 195	14.2	74.7	705	3	US-09-489-039A-4811	Sequence 4911, Ap
C 123	14.4	75.8	604	3	US-10-017-754-258	Sequence 258, App	C 196	14.2	74.7	723	3	US-09-252-991A-3879	Sequence 3979, Ap
C 124	14.4	75.8	604	3	US-09-651-563-258	Sequence 258, App	C 197	14.2	74.7	733	3	US-09-489-039A-11678	Sequence 11678, A
C 125	14.4	75.8	604	3	US-09-519-642-258	Sequence 258, App	C 198	14.2	74.7	744	3	US-09-910-174B-30	Sequence 30, Appl
C 126	14.4	75.8	633	3	US-08-998-416-1115	Sequence 1115, App	C 199	14.2	74.7	806	3	US-09-270-767-854	Sequence 854, App
C 127	14.4	75.8	815	3	US-09-533-559-1115	Sequence 1115, Ap	C 200	14.2	74.7	806	3	US-09-270-767-16136	Sequence 16136, A
C 128	14.4	75.8	944	3	US-09-949-016-1462	Sequence 1462, Ap	C 201	14.2	74.7	825	3	US-10-321-188A-41	Sequence 41, Appl
C 129	14.4	75.8	1144	3	US-09-799-451-278	Sequence 278, App	C 202	14.2	74.7	840	3	US-09-902-540-5286	Sequence 5286, Ap
C 130	14.4	75.8	1437	3	US-09-647-224A-9	Sequence 9, Appl1	C 203	14.2	74.7	885	3	US-09-489-039A-6773	Sequence 6773, Ap
C 131	14.4	75.8	1474	3	US-09-147-955-3	Sequence 3, Appl1	C 204	14.2	74.7	912	3	US-09-540-236-1092	Sequence 1092, Ap
C 132	14.4	75.8	1547	3	US-09-585-228-3	Sequence 3, Appl1	C 205	14.2	74.7	918	3	US-09-489-039A-2423	Sequence 2423, Ap
C 133	14.4	75.8	1583	3	US-08-976-255-8	Sequence 8, Appl1	C 206	14.2	74.7	921	3	US-09-902-540-5271	Sequence 5271, Ap
C 134	14.4	75.8	2142	3	US-09-614-321A-331	Sequence 331, App	C 207	14.2	74.7	951	3	US-09-902-540-5206	Sequence 5206, Ap
C 135	14.4	75.8	2142	3	US-09-487-558B-407	Sequence 407, App	C 208	14.2	74.7	976	3	US-09-270-767-13175	Sequence 13175, A
C 136	14.4	75.8	2275	3	US-10-197-220-154	Sequence 154, App	C 209	14.2	74.7	987	3	US-09-252-991A-11559	Sequence 11559, A
C 137	14.4	75.8	2528	3	US-09-234-393-37	Sequence 37, Appl	C 210	14.2	74.7	997	3	US-09-270-767-10146	Sequence 10146, A
C 138	14.4	75.8	2528	3	US-09-234-393-41	Sequence 41, Appl	C 211	14.2	74.7	999	3	US-09-252-991A-15664	Sequence 15664, A
C 139	14.4	75.8	2528	3	US-09-865-171-37	Sequence 37, Appl	C 212	14.2	74.7	1008	3	US-09-489-039A-2114	Sequence 2114, Ap
C 140	14.4	75.8	2528	3	US-09-865-171-41	Sequence 41, Appl	C 213	14.2	74.7	1012	2	US-09-971-096-1	Sequence 1, Appl1
C 141	14.4	75.8	2528	3	US-10-041-007-13	Sequence 13, Appl	C 214	14.2	74.7	1072	2	US-08-175-096-1	Sequence 1, Appl1
C 142	14.4	75.8	2571	3	US-09-224-393-12	Sequence 12, Appl	C 215	14.2	74.7	1072	2	US-08-175-096-1	Sequence 15694, A
C 143	14.4	75.8	2571	3	US-09-865-171-12	Sequence 12, Appl	C 216	14.2	74.7	1074	3	US-09-252-991A-15694	Sequence 15694, A
C 144	14.4	75.8	2728	3	US-09-799-451-620	Sequence 620, App	C 217	14.2	74.7	1092	3	US-09-902-540-8801	Sequence 8801, Ap
C 145	14.4	75.8	3573	3	US-09-902-540-5020	Sequence 5020, Ap	C 218	14.2	74.7	1103	3	US-10-321-188B-37	Sequence 37, Appl
C 146	14.4	75.8	3777	3	US-09-902-540-2062	Sequence 2062, Ap	C 219	14.2	74.7	1104	3	US-10-321-188B-36	Sequence 36, Appl
C 147	14.4	75.8	5400	3	US-09-114-000C-1773	Sequence 1773, Ap	C 220	14.2	74.7	1116	3	US-08-993-088A-18	Sequence 18, Appl
C 148	14.4	75.8	6224	3	US-09-774-528-91	Sequence 91, Appl	C 221	14.2	74.7	1116	3	US-08-993-088A-19	Sequence 19, Appl
C 149	14.4	75.8	6224	3	US-10-120-988-91	Sequence 91, Appl	C 222	14.2	74.7	1116	3	US-08-993-4248-18	Sequence 18, Appl
C 150	14.4	75.8	6975	3	US-09-902-540-2386	Sequence 2386, Ap	C 223	14.2	74.7	1116	3	US-09-603-680-18	Sequence 18, Appl
C 151	14.4	75.8	9785	2	US-08-319-387-1	Sequence 1, Appl1	C 224	14.2	74.7	1116	3	US-09-603-680-19	Sequence 19, Appl
C 152	14.4	75.8	10733	3	US-09-949-016-16876	Sequence 16876, A	C 225	14.2	74.7	1119	2	US-08-626-685A-7	Sequence 7, Appl1
C 153	14.4	75.8	17335	3	US-09-902-540-1103	Sequence 1103, Ap	C 226	14.2	74.7	1164	3	US-08-993-088A-6	Sequence 6, Appl1
C 154	14.4	75.8	18149	3	US-09-949-016-13204	Sequence 13204, A	C 227	14.2	74.7	1164	3	US-08-993-4248-6	Sequence 6, Appl1
C 155	14.4	75.8	18157	3	US-09-949-016-16133	Sequence 16133, A	C 228	14.2	74.7	1164	3	US-09-603-680-6	Sequence 6, Appl1
C 156	14.4	75.8	28054	3	US-09-902-540-1248	Sequence 1248, Ap	C 229	14.2	74.7	1164	3	US-09-826-509-504	Sequence 504, App
C 157	14.4	75.8	183770	3	US-09-949-016-15494	Sequence 15494, A	C 230	14.2	74.7	1193	3	US-08-899-1128-7	Sequence 7, Appl1
C 158	14.4	75.8	200663	3	US-09-949-016-12559	Sequence 12559, A	C 231	14.2	74.7	1193	3	US-09-011-553-1	Sequence 1, Appl1
C 159	14.4	75.8	203093	3	US-09-949-016-14445	Sequence 14444, A	C 232	14.2	74.7	1213	2	US-08-554-612C-14	Sequence 14, Appl
C 160	14.4	75.8	209210	3	US-09-949-016-15094	Sequence 15094, A	C 233	14.2	74.7	1213	3	US-09-533-559-6223	Sequence 6223, Ap
C 161	14.4	75.8	374159	3	US-09-949-016-15868	Sequence 15868, A	C 234	14.2	74.7	1219	3	US-08-981-700A-3	Sequence 3, Appl1
C 162	14.2	74.7	48	3	US-09-563-096A-2	Sequence 2, Appl1	C 235	14.2	74.7	1254	3	US-09-902-540-221	Sequence 221, App
C 163	14.2	74.7	96	3	US-08-484-322-35	Sequence 35, Appl	C 236	14.2	74.7	1284	3	US-09-489-039A-841	Sequence 841, App
C 164	14.2	74.7	250	3	US-09-270-767-29085	Sequence 29085, A	C 237	14.2	74.7	1285	3	US-09-949-016-1460	Sequence 1460, Ap
C 165	14.2	74.7	255	2	US-08-673-190A-8	Sequence 8, Appl1	C 238	14.2	74.7	1336	3	US-09-328-352-2619	Sequence 2619, Ap
C 166	14.2	74.7	345	3	US-09-489-039A-2527	Sequence 2527, Ap	C 239	14.2	74.7	1331	3	US-09-023-655-579	Sequence 579, Appl
C 167	14.2	74.7	346	3	US-09-513-999C-12213	Sequence 12213, A	C 240	14.2	74.7	1365	3	US-08-899-1128-27	Sequence 27, Appl
C 168	14.2	74.7	417	3	US-09-252-991A-11614	Sequence 11614, A	C 241	14.2	74.7	1365	3	US-09-011-553-3	Sequence 4, Appl1
C 169	14.2	74.7	423	3	US-09-252-991A-3928	Sequence 3928, Ap	C 242	14.2	74.7	1432	3	US-09-489-039A-6651	Sequence 6651, Ap
C 170	14.2	74.7	457	3	US-09-621-976-8292	Sequence 8292, Ap	C 243	14.2	74.7	1432	3	US-09-902-540-4117	Sequence 4117, Ap

C 244	14.2	74.7	1488	3	US-09-489-039A-5255	Sequence 5255, Ap	317	14.2	74.7	4621	3	US-09-125-635-9	Sequence 9, Appl1
C 245	14.2	74.7	1494	3	US-09-252-991A-8565	Sequence 8565, Ap	318	14.2	74.7	4660	3	US-09-445-352B-1	Sequence 1, Appl1
C 246	14.2	74.7	1493	3	US-09-489-039A-5193	Sequence 5193, Ap	319	14.2	74.7	5444	3	US-09-996-617-1	Sequence 1, Appl1
C 247	14.2	74.7	1508	2	US-08-55A-612C-16	Sequence 16, Appl	C 320	14.2	74.7	5700	3	US-09-949-016-15167	Sequence 15167, A
C 248	14.2	74.7	1530	3	US-09-252-991A-3899	Sequence 3899, Ap	C 321	14.2	74.7	5843	2	US-08-55A-612C-2	Sequence 2, Appl1
C 249	14.2	74.7	1548	2	US-08-762-106-5	Sequence 5, Appl1	C 322	14.2	74.7	6017	3	US-09-949-016-5825	Sequence 5825, Ap
C 250	14.2	74.7	1548	3	US-09-320-774-5	Sequence 5, Appl1	C 323	14.2	74.7	6122	2	US-08-403-545-1	Sequence 1, Appl1
C 251	14.2	74.7	1572	3	US-09-489-039A-5714	Sequence 5714, Ap	C 324	14.2	74.7	6122	3	US-08-404-381-1	Sequence 1, Appl1
C 252	14.2	74.7	1573	3	US-09-771-161A-1	Sequence 1, Appl1	C 325	14.2	74.7	6156	3	US-08-723-535-3	Sequence 1, Appl1
C 253	14.2	74.7	1581	2	US-08-762-106-6	Sequence 6, Appl1	C 326	14.2	74.7	6156	3	US-09-723-535-3	Sequence 3, Appl1
C 254	14.2	74.7	1581	3	US-09-320-774-6	Sequence 6, Appl1	C 327	14.2	74.7	6156	3	US-09-949-016-867	Sequence 867, App
C 255	14.2	74.7	1581	3	US-09-252-991A-11831	Sequence 11831, A	C 328	14.2	74.7	6156	3	US-09-842-255-1	Sequence 1, Appl1
C 256	14.2	74.7	1599	3	US-09-949-016-5375	Sequence 5375, Ap	C 329	14.2	74.7	6200	3	US-09-439-923-1	Sequence 1, Appl1
C 257	14.2	74.7	1610	3	US-09-902-540-277	Sequence 277, App	C 330	14.2	74.7	6200	3	US-09-711-202A-1	Sequence 1, Appl1
C 258	14.2	74.7	1617	3	US-09-489-039A-476	Sequence 476, App	C 331	14.2	74.7	6200	3	US-09-911-205A-1	Sequence 1, Appl1
C 259	14.2	74.7	1630	3	US-08-665-034A-1	Sequence 1, Appl1	C 332	14.2	74.7	6200	3	US-09-693-241-1	Sequence 1, Appl1
C 260	14.2	74.7	1707	3	US-09-489-039A-3798	Sequence 3798, Ap	C 333	14.2	74.7	6280	3	US-09-639-696C-6	Sequence 6, Appl1
C 261	14.2	74.7	1714	3	US-08-981-700A-1	Sequence 1, Appl1	C 334	14.2	74.7	6280	3	US-09-949-016-13222	Sequence 13222, A
C 262	14.2	74.7	1734	9	5352575-8	Patent No. 5352575	C 335	14.2	74.7	7482	3	US-09-949-016-15564	Sequence 15564, A
C 263	14.2	74.7	1772	9	536025-3	Patent No. 536025	C 336	14.2	74.7	7518	3	US-09-902-540-870	Sequence 870, App
C 264	14.2	74.7	1772	9	536025-3	Patent No. 536025	C 337	14.2	74.7	8310	3	US-08-870-126-11	Sequence 11, Appl
C 265	14.2	74.7	1784	2	US-08-55A-612C-13	Sequence 13, Appl	C 338	14.2	74.7	8310	3	US-09-445-247-11	Sequence 11, Appl
C 266	14.2	74.7	1878	3	US-09-902-540-5812	Sequence 5812, Ap	C 339	14.2	74.7	9367	3	US-09-902-540-951	Sequence 951, App
C 267	14.2	74.7	1908	3	US-09-417-197-124	Sequence 124, App	C 340	14.2	74.7	9364	3	US-09-902-540-1026	Sequence 1026, Ap
C 268	14.2	74.7	1958	3	US-08-665-034A-3	Sequence 3, Appl1	C 341	14.2	74.7	11854	3	US-09-902-540-1037	Sequence 1037, Ap
C 269	14.2	74.7	1958	3	US-09-949-016-1420	Sequence 1420, Ap	C 342	14.2	74.7	13256	3	US-09-902-540-1006	Sequence 1006, Ap
C 270	14.2	74.7	1965	3	US-09-489-039A-777	Sequence 777, App	C 343	14.2	74.7	14985	2	US-08-652-972A-6	Sequence 6, Appl1
C 271	14.2	74.7	2015	3	US-10-104-047-868	Sequence 868, App	C 344	14.2	74.7	14985	6	PCT-US96-06231A-6	Sequence 6, Appl1
C 272	14.2	74.7	2112	3	US-09-489-039A-3649	Sequence 3649, Ap	C 345	14.2	74.7	15447	3	US-09-902-540-11100	Sequence 1100, Ap
C 273	14.2	74.7	2155	3	US-09-191-171-4	Sequence 4, Appl1	C 346	14.2	74.7	17730	3	US-09-949-016-12123	Sequence 12123, A
C 274	14.2	74.7	2155	3	US-09-385-707-4	Sequence 4, Appl1	C 347	14.2	74.7	17731	3	US-09-949-016-13472	Sequence 13472, A
C 275	14.2	74.7	2155	3	US-09-639-696C-4	Sequence 9, Appl1	C 348	14.2	74.7	26533	3	US-09-902-540-1199	Sequence 1199, Ap
C 276	14.2	74.7	2155	3	US-09-917-254-30	Sequence 30, Appl	C 349	14.2	74.7	30783	3	US-09-802-540-1258	Sequence 1258, Ap
C 277	14.2	74.7	2200	2	US-08-626-685A-9	Sequence 9, Appl1	C 350	14.2	74.7	31063	3	US-09-596-002-20	Sequence 20, Appl
C 278	14.2	74.7	2200	3	US-08-993-088A-1	Sequence 1, Appl1	C 351	14.2	74.7	31113	3	US-09-949-016-15534	Sequence 15534, A
C 279	14.2	74.7	2200	3	US-08-993-424B-1	Sequence 1, Appl1	C 352	14.2	74.7	47787	3	US-09-949-016-11569	Sequence 11569, A
C 280	14.2	74.7	2200	3	US-09-603-680-1	Sequence 1, Appl1	C 353	14.2	74.7	61383	3	US-09-949-016-13947	Sequence 13047, A
C 281	14.2	74.7	2200	3	US-08-899-112B-9	Sequence 9, Appl1	C 354	14.2	74.7	63183	3	US-09-949-016-13948	Sequence 13048, A
C 282	14.2	74.7	2200	3	US-09-011-553-3	Sequence 3, Appl1	C 355	14.2	74.7	63183	3	US-09-949-016-15579	Sequence 16579, A
C 283	14.2	74.7	2234	3	US-08-993-088A-8	Sequence 8, Appl1	C 356	14.2	74.7	72704	3	US-09-902-540-1273	Sequence 1273, Ap
C 284	14.2	74.7	2234	3	US-08-993-424B-8	Sequence 8, Appl1	C 357	14.2	74.7	90750	3	US-09-949-016-11783	Sequence 17383, A
C 285	14.2	74.7	2234	3	US-09-603-680-8	Sequence 8, Appl1	C 358	14.2	74.7	90724	3	US-09-949-016-16601	Sequence 16601, A
C 286	14.2	74.7	2259	3	US-09-489-039A-3024	Sequence 3024, Ap	C 359	14.2	74.7	120609	3	US-09-949-016-13915	Sequence 13915, A
C 287	14.2	74.7	2417	2	US-07-953-695A-1	Sequence 1, Appl1	C 360	14.2	74.7	129457	3	US-09-949-016-16997	Sequence 16997, A
C 288	14.2	74.7	2417	2	US-08-267-259-1	Sequence 1, Appl1	C 361	14.2	74.7	130288	3	US-09-949-016-15664	Sequence 16664, A
C 289	14.2	74.7	2457	3	US-09-489-039A-5741	Sequence 5741, Ap	C 362	14.2	74.7	145928	3	US-09-949-016-15444	Sequence 15444, A
C 290	14.2	74.7	2484	3	US-09-252-991A-3872	Sequence 3872, Ap	C 363	14.2	74.7	229354	3	US-09-705-400-64	Sequence 64, Appl
C 291	14.2	74.7	2493	3	US-09-252-991A-4048	Sequence 4048, Ap	C 364	14.2	74.7	229354	3	US-09-705-400-64	Sequence 64, Appl
C 292	14.2	74.7	2502	3	US-09-489-039A-1765	Sequence 1765, Ap	C 365	14.2	74.7	325034	3	US-09-949-016-14957	Sequence 14957, A
C 293	14.2	74.7	2529	3	US-09-902-540-7018	Sequence 7018, Ap	C 366	14.2	74.7	389504	3	US-09-949-016-11774	Sequence 11774, A
C 294	14.2	74.7	2547	3	US-09-489-039A-6602	Sequence 6602, Ap	C 367	14	73.7	4998	3	US-09-501-171-5-11774	Sequence 5, Appl1
C 295	14.2	74.7	2562	3	US-09-902-540-503	Sequence 503, App	C 368	14	73.7	173787	3	US-09-949-016-12542	Sequence 12542, A
C 296	14.2	74.7	2636	2	US-08-55A-612C-12	Sequence 12, Appl	C 369	14	73.7	173791	3	US-09-949-016-17302	Sequence 17302, A
C 297	14.2	74.7	2856	2	US-09-328-352-41	Sequence 41, Appl	C 370	13.8	72.6	69	2	US-09-073-032-1	Sequence 2, Appl1
C 298	14.2	74.7	2898	2	US-08-55A-612C-51	Sequence 51, Appl	C 371	13.8	72.6	69	3	US-09-428-265A-2	Sequence 2, Appl1
C 299	14.2	74.7	2909	2	US-08-55A-612C-10	Sequence 10, Appl	C 372	13.8	72.6	69	3	US-09-972-809-2	Sequence 2, Appl1
C 300	14.2	74.7	2909	2	US-08-55A-612C-11	Sequence 11, Appl	C 373	13.8	72.6	69	3	US-09-972-809-2	Sequence 2, Appl1
C 301	14.2	74.7	3049	3	US-09-799-451-801	Sequence 801, App	C 374	13.8	72.6	89	2	US-07-964-6240-28	Sequence 28, Appl
C 302	14.2	74.7	3293	2	US-08-442-809A-75	Sequence 75, Appl	C 375	13.8	72.6	89	2	US-08-442-062-28	Sequence 28, Appl
C 303	14.2	74.7	3338	3	US-09-949-016-2173	Sequence 2173, Ap	C 376	13.8	72.6	89	2	US-08-748-697A-28	Sequence 28, Appl
C 304	14.2	74.7	3390	3	US-08-993-088A-5	Sequence 5, Appl1	C 377	13.8	72.6	89	3	US-09-165-616-28	Sequence 28, Appl
C 305	14.2	74.7	3390	3	US-08-993-424B-5	Sequence 5, Appl1	C 378	13.8	72.6	89	3	US-10-040-497-28	Sequence 28, Appl
C 306	14.2	74.7	3390	3	US-09-603-680-5	Sequence 5, Appl1	C 379	13.8	72.6	202	3	US-09-313-294A-5298	Sequence 5298, Ap
C 307	14.2	74.7	3616	3	US-09-949-016-4859	Sequence 4859, Ap	C 380	13.8	72.6	218	3	US-09-513-999C-9939	Sequence 9939, Ap
C 308	14.2	74.7	3780	3	US-09-489-039A-1669	Sequence 1669, Ap	C 381	13.8	72.6	240	3	US-09-489-039A-4638	Sequence 4638, Ap
C 309	14.2	74.7	3960	3	US-09-902-540-8918	Sequence 8918, Ap	C 382	13.8	72.6	295	3	US-09-313-294A-6884	Sequence 6884, Ap
C 310	14.2	74.7	4003	3	US-09-902-540-618	Sequence 618, App	C 383	13.8	72.6	295	3	US-09-513-999C-110	Sequence 110, App
C 311	14.2	74.7	4160	3	US-09-134-218-1	Sequence 1, Appl1	C 384	13.8	72.6	314	3	US-09-313-294A-5009	Sequence 5009, App
C 312	14.2	74.7	4287	3	US-09-986-517-5	Sequence 5, Appl1	C 385	13.8	72.6	380	3	US-09-370-767-7521	Sequence 7521, Ap
C 313	14.2	74.7	4422	3	US-09-388-221B-1	Sequence 1, Appl1	C 386	13.8	72.6	380	3	US-09-270-767-72803	Sequence 22803, A
C 314	14.2	74.7	4480	3	US-09-191-171-7	Sequence 7, Appl1	C 387	13.8	72.6	381	3	US-09-328-352-1711	Sequence 1711, A
C 315	14.2	74.7	4480	3	US-09-385-707-7	Sequence 7, Appl1	C 388	13.8	72.6	429	3	US-09-489-039A-2585	Sequence 2585, Ap
C 316	14.2	74.7	4556	3	US-09-388-221B-9	Sequence 9, Appl1	C 389	13.8	72.6	430	3	US-08-905-223-224	Sequence 224, App

390	13.8	72.6	437	3	US-09-513-999C-31014	Sequence 31014, A	C 463	13.8	72.6	915	3	US-09-252-991A-9133	Sequence 9133, Ap
391	13.8	72.6	434	3	US-09-270-767-1589	Sequence 1589, Ap	C 464	13.8	72.6	969	2	US-09-252-991A-7505	Sequence 7505, Ap
392	13.8	72.6	454	3	US-09-270-767-16871	Sequence 16871, A	C 465	13.8	72.6	979	2	US-08-147-710-1	Sequence 1, Appl1
393	13.8	72.6	466	3	US-09-270-767-543	Sequence 543, App	C 466	13.8	72.6	979	2	US-08-458-090-1	Sequence 1, Appl1
C 394	13.8	72.6	456	3	US-09-270-767-14209	Sequence 14209, A	C 467	13.8	72.6	979	2	US-08-457-887-1	Sequence 1, Appl1
395	13.8	72.6	456	3	US-09-270-767-15825	Sequence 15825, A	C 468	13.8	72.6	979	3	US-09-016-434-1378	Sequence 1378, Ap
396	13.8	72.6	459	3	US-09-270-767-695	Sequence 695, App	C 469	13.8	72.6	979	3	US-09-804-621-1	Sequence 1, Appl1
397	13.8	72.6	459	3	US-09-270-767-15977	Sequence 15977, A	C 470	13.8	72.6	993	3	US-09-252-991A-8950	Sequence 8950, Ap
C 398	13.8	72.6	488	3	US-09-513-999C-10350	Sequence 10350, A	C 471	13.8	72.6	1045	3	US-09-391-741A-5	Sequence 5, Appl1
399	13.8	72.6	539	3	US-09-270-767-1447	Sequence 1447, Ap	C 472	13.8	72.6	1045	3	US-09-391-741A-19	Sequence 19, Appl1
400	13.8	72.6	539	3	US-09-270-767-16729	Sequence 16729, A	C 473	13.8	72.6	1045	3	US-09-391-741A-29	Sequence 29, Appl1
C 401	13.8	72.6	542	3	US-09-270-767-9475	Sequence 9475, Ap	C 474	13.8	72.6	1049	3	US-09-023-655-195	Sequence 195, App
C 402	13.8	72.6	542	3	US-09-270-767-24757	Sequence 24757, A	C 475	13.8	72.6	1059	3	US-09-576-1608-9	Sequence 9, Appl1
C 403	13.8	72.6	546	3	US-10-131-827-8253	Sequence 8253, Ap	C 476	13.8	72.6	1131	3	US-09-248-796A-994	Sequence 994, App
C 404	13.8	72.6	581	2	US-08-505-617-5	Sequence 5, Appl1	C 477	13.8	72.6	1140	3	US-08-817-145-2	Sequence 2, Appl1
C 405	13.8	72.6	581	2	US-09-018-170-5	Sequence 5, Appl1	C 478	13.8	72.6	1142	3	US-09-949-016-864	Sequence 864, App
C 406	13.8	72.6	590	2	US-09-270-767-25999	Sequence 25999, A	C 479	13.8	72.6	1152	3	US-09-802-540-8343	Sequence 8343, Ap
C 407	13.8	72.6	600	3	US-09-252-991A-9052	Sequence 9052, Ap	C 480	13.8	72.6	1165	3	US-09-270-767-11379	Sequence 11379, A
C 408	13.8	72.6	601	3	US-09-949-016-20179	Sequence 20179, A	C 481	13.8	72.6	1218	3	US-09-489-039A-2240	Sequence 2240, Ap
C 409	13.8	72.6	601	3	US-09-949-016-20179	Sequence 20179, A	C 482	13.8	72.6	1237	3	US-09-270-767-12517	Sequence 12517, A
C 410	13.8	72.6	601	3	US-09-949-016-13818	Sequence 23818, A	C 483	13.8	72.6	1237	3	US-09-489-039A-2457	Sequence 2457, Ap
C 411	13.8	72.6	601	3	US-09-949-016-51444	Sequence 51444, A	C 484	13.8	72.6	1237	3	US-09-489-039A-6614	Sequence 6614, Ap
C 412	13.8	72.6	601	3	US-09-949-016-60561	Sequence 60561, A	C 485	13.8	72.6	1339	3	US-09-489-039A-2333	Sequence 2333, Ap
C 413	13.8	72.6	601	3	US-09-949-016-65968	Sequence 65968, A	C 486	13.8	72.6	1419	2	US-08-242-098-39	Sequence 39, Appl1
C 414	13.8	72.6	601	3	US-09-949-016-71440	Sequence 71440, A	C 487	13.8	72.6	1455	3	US-09-252-991A-7482	Sequence 7482, Ap
C 415	13.8	72.6	601	3	US-09-949-016-71441	Sequence 71441, A	C 488	13.8	72.6	1479	2	US-08-886-599A-4	Sequence 4, Appl1
C 416	13.8	72.6	601	3	US-09-949-016-71442	Sequence 71442, A	C 489	13.8	72.6	1533	3	US-09-252-991A-3013	Sequence 3013, Ap
C 417	13.8	72.6	601	3	US-09-949-016-93227	Sequence 93227, A	C 490	13.8	72.6	1543	3	US-09-270-767-727	Sequence 727, App
C 418	13.8	72.6	601	3	US-09-949-016-120433	Sequence 120433, A	C 491	13.8	72.6	1543	3	US-09-270-767-16009	Sequence 16009, A
C 419	13.8	72.6	601	3	US-09-949-016-120435	Sequence 120435, A	C 492	13.8	72.6	1583	3	US-09-949-016-1187	Sequence 1187, Ap
C 420	13.8	72.6	601	3	US-09-949-016-120435	Sequence 120435, A	C 493	13.8	72.6	1654	3	US-09-533-559-7697	Sequence 7697, Ap
C 421	13.8	72.6	601	3	US-09-949-016-120436	Sequence 120436, A	C 494	13.8	72.6	1658	3	US-10-002-344A-31	Sequence 31, Appl1
C 422	13.8	72.6	601	3	US-09-949-016-122690	Sequence 122690, A	C 495	13.8	72.6	1675	3	US-09-591-095-21	Sequence 21, Appl1
C 423	13.8	72.6	601	3	US-09-949-016-122691	Sequence 122691, A	C 496	13.8	72.6	1700	2	US-08-686-599A-1	Sequence 1, Appl1
C 424	13.8	72.6	601	3	US-09-949-016-132317	Sequence 132317, A	C 497	13.8	72.6	1766	2	US-08-504-459-1	Sequence 1, Appl1
C 425	13.8	72.6	601	3	US-09-949-016-136228	Sequence 136228, A	C 498	13.8	72.6	1824	3	US-09-248-796A-855	Sequence 855, App
C 426	13.8	72.6	601	3	US-09-949-016-136347	Sequence 136347, A	C 499	13.8	72.6	1866	3	US-09-252-991A-2660	Sequence 2660, Ap
C 427	13.8	72.6	601	3	US-09-949-016-139982	Sequence 139982, A	C 500	13.8	72.6	1869	3	US-09-305-381-1	Sequence 1, Appl1
C 428	13.8	72.6	601	3	US-09-949-016-146594	Sequence 146594, A	C 501	13.8	72.6	1872	3	US-09-489-039A-4640	Sequence 4640, Ap
C 429	13.8	72.6	601	3	US-09-949-016-147860	Sequence 147860, A	C 502	13.8	72.6	1879	3	US-09-897-772-1	Sequence 1, Appl1
C 430	13.8	72.6	601	3	US-09-949-016-147861	Sequence 147861, A	C 503	13.8	72.6	1889	3	US-10-104-047-1603	Sequence 1603, Ap
C 431	13.8	72.6	601	3	US-09-949-016-147862	Sequence 147862, A	C 504	13.8	72.6	1918	3	US-09-270-767-12780	Sequence 12780, A
C 432	13.8	72.6	601	3	US-09-949-016-147863	Sequence 147863, A	C 505	13.8	72.6	1956	3	US-09-248-796A-6187	Sequence 6187, Ap
C 433	13.8	72.6	601	3	US-09-949-016-154904	Sequence 154904, A	C 506	13.8	72.6	1977	3	US-09-489-039A-4647	Sequence 4647, Ap
C 434	13.8	72.6	601	3	US-09-949-016-154905	Sequence 154905, A	C 507	13.8	72.6	1978	3	US-09-270-767-13238	Sequence 13238, A
C 435	13.8	72.6	601	3	US-09-949-016-154905	Sequence 154905, A	C 508	13.8	72.6	1999	3	US-09-270-767-10237	Sequence 10237, A
C 436	13.8	72.6	601	3	US-09-949-016-158687	Sequence 158687, A	C 509	13.8	72.6	2022	3	US-09-711-164-157	Sequence 157, App
C 437	13.8	72.6	601	3	US-09-949-016-158784	Sequence 158784, A	C 510	13.8	72.6	2028	3	US-09-620-3120-597	Sequence 597, App
C 438	13.8	72.6	601	3	US-09-949-016-165396	Sequence 165396, A	C 511	13.8	72.6	2067	3	US-10-243-789-1	Sequence 1, Appl1
C 439	13.8	72.6	601	3	US-09-949-016-165453	Sequence 165453, A	C 512	13.8	72.6	2139	3	US-10-104-047-59	Sequence 59, Appl1
C 440	13.8	72.6	601	3	US-09-949-016-170453	Sequence 170453, A	C 513	13.8	72.6	2151	3	US-09-186-276B-66	Sequence 66, Appl1
C 441	13.8	72.6	601	3	US-09-949-016-171747	Sequence 171747, A	C 514	13.8	72.6	2151	3	US-08-842-445-66	Sequence 66, Appl1
C 442	13.8	72.6	601	3	US-09-949-016-185186	Sequence 185186, A	C 515	13.8	72.6	2151	3	US-09-186-188B-66	Sequence 66, Appl1
C 443	13.8	72.6	601	3	US-09-949-016-185187	Sequence 185187, A	C 516	13.8	72.6	2151	3	US-09-255-585C-65	Sequence 65, Appl1
C 444	13.8	72.6	601	3	US-09-949-016-198883	Sequence 198883, A	C 517	13.8	72.6	2160	3	US-09-134-000C-2022	Sequence 2022, Ap
C 445	13.8	72.6	601	3	US-09-949-016-200318	Sequence 200318, A	C 518	13.8	72.6	2168	3	US-09-270-767-14275	Sequence 14275, A
C 446	13.8	72.6	601	3	US-09-949-016-200318	Sequence 200318, A	C 519	13.8	72.6	2261	3	US-10-104-047-1916	Sequence 1916, Ap
C 447	13.8	72.6	632	3	US-10-178-213-40	Sequence 40, Appl1	C 520	13.8	72.6	2277	2	US-08-369-796-7	Sequence 7, Appl1
C 448	13.8	72.6	683	3	US-09-533-559-7228	Sequence 7228, Ap	C 521	13.8	72.6	2277	2	US-08-852-091-7	Sequence 7, Appl1
C 449	13.8	72.6	684	3	US-09-134-000C-528	Sequence 528, App	C 522	13.8	72.6	2277	2	US-08-820-754-7	Sequence 7, Appl1
C 450	13.8	72.6	699	3	US-09-252-991A-3206	Sequence 3206, App	C 523	13.8	72.6	2277	2	US-08-956-652-7	Sequence 7, Appl1
C 451	13.8	72.6	700	3	US-09-735-271-295	Sequence 295, App	C 524	13.8	72.6	2277	3	US-08-956-669-7	Sequence 7, Appl1
C 452	13.8	72.6	726	3	US-09-621-976-3406	Sequence 3406, Ap	C 525	13.8	72.6	2277	3	US-08-948-547-7	Sequence 7, Appl1
C 453	13.8	72.6	748	3	US-10-781-599-32	Sequence 32, Appl1	C 526	13.8	72.6	2277	3	US-08-956-653A-7	Sequence 7, Appl1
C 454	13.8	72.6	756	3	US-09-653-730-10	Sequence 10, Appl1	C 527	13.8	72.6	2277	3	US-08-212-185-7	Sequence 7, Appl1
C 455	13.8	72.6	795	3	US-09-252-991A-7360	Sequence 7360, App	C 528	13.8	72.6	2277	6	PCT-US95-17025-7	Sequence 7, Appl1
C 456	13.8	72.6	798	3	US-09-248-796A-5630	Sequence 5630, App	C 529	13.8	72.6	2441	3	US-09-270-767-10843	Sequence 10843, A
C 457	13.8	72.6	831	3	US-10-781-599-26	Sequence 26, Appl1	C 530	13.8	72.6	2641	3	US-09-252-991A-2860	Sequence 2860, Ap
C 458	13.8	72.6	837	3	US-09-902-540-4308	Sequence 4308, Ap	C 531	13.8	72.6	2642	3	US-10-104-047-587	Sequence 587, App
C 459	13.8	72.6	840	3	US-09-489-039A-2990	Sequence 2990, Ap	C 532	13.8	72.6	2758	3	US-09-620-312D-884	Sequence 884, App
C 460	13.8	72.6	846	3	US-09-270-767-15105	Sequence 15105, A	C 533	13.8	72.6	2885	3	US-09-949-016-1936	Sequence 1936, Ap
C 461	13.8	72.6	885	3	US-09-937-862B-26	Sequence 26, Appl1	C 534	13.8	72.6	2913	3	US-09-976-594-368	Sequence 368, Appl1
C 462	13.8	72.6	900	3	US-09-949-016-2237	Sequence 2237, Ap	C 535	13.8	72.6	3051	3	US-09-409-604-1	Sequence 1, Appl1

C 536	13.8	72.6	3051	3	US-09-270-767-12928	Sequence 12928, A	C 609	13.8	72.6	38368	3	US-09-949-016-12958	Sequence 12958, A
537	13.8	72.6	3126	3	US-09-270-767-990	Sequence 990, App	C 610	13.8	72.6	41435	3	US-09-949-016-15926	Sequence 15926, A
538	13.8	72.6	3126	3	US-09-270-767-16272	Sequence 16272, A	C 611	13.8	72.6	42246	3	US-09-949-016-17008	Sequence 17008, A
539	13.8	72.6	3127	3	US-10-104-047-2165	Sequence 2165, App	C 612	13.8	72.6	43267	3	US-09-949-016-17117	Sequence 17117, A
C 540	13.8	72.6	3201	3	US-09-270-767-10572	Sequence 10572, A	C 613	13.8	72.6	44244	3	US-09-949-016-11773	Sequence 11773, A
541	13.8	72.6	3227	3	US-09-221-0178-451	Sequence 451, App	C 614	13.8	72.6	44245	3	US-09-949-016-13579	Sequence 13579, A
542	13.8	72.6	3465	3	US-09-270-767-1	Sequence 1, App1	C 615	13.8	72.6	49526	3	US-09-949-016-12929	Sequence 12929, A
C 543	13.8	72.6	3510	3	US-09-265-585C-95	Sequence 95, App1	C 616	13.8	72.6	51101	3	US-09-949-016-12689	Sequence 12689, A
C 544	13.8	72.6	3558	3	US-09-949-016-351	Sequence 351, App	C 617	13.8	72.6	51101	3	US-09-949-016-17036	Sequence 17036, A
C 545	13.8	72.6	3558	3	US-09-949-016-1918	Sequence 1918, App	C 618	13.8	72.6	51620	3	US-09-949-016-12848	Sequence 12848, A
546	13.8	72.6	3702	3	US-09-252-991A-6666	Sequence 6666, App	C 619	13.8	72.6	51621	3	US-09-949-016-16503	Sequence 16503, A
547	13.8	72.6	3739	3	US-10-781-599-1	Sequence 1, App1	C 620	13.8	72.6	51770	3	US-09-949-016-13668	Sequence 13668, A
C 548	13.8	72.6	3799	3	US-10-104-047-836	Sequence 836, App	C 621	13.8	72.6	51773	3	US-09-949-016-16002	Sequence 16002, A
549	13.8	72.6	3808	3	US-09-949-016-1217	Sequence 1217, App	C 622	13.8	72.6	54531	3	US-09-949-016-16267	Sequence 16267, A
C 550	13.8	72.6	3833	2	US-08-917-320-18	Sequence 18, App1	C 623	13.8	72.6	54649	3	US-09-949-016-15867	Sequence 15867, A
C 551	13.8	72.6	3833	6	PCT-US95-04611A-18	Sequence 18, App1	C 624	13.8	72.6	55226	3	US-09-949-016-14426	Sequence 14426, A
552	13.8	72.6	3852	3	US-09-245-2488-29	Sequence 29, App1	C 625	13.8	72.6	59123	3	US-09-949-016-1217	Sequence 1217, A
553	13.8	72.6	3853	3	US-09-245-2488-53	Sequence 53, App1	C 626	13.8	72.6	59240	3	US-09-949-016-11933	Sequence 11933, A
C 554	13.8	72.6	3986	3	US-10-092-925-1	Sequence 1, App1	C 627	13.8	72.6	63644	3	US-09-949-016-12098	Sequence 12098, A
555	13.8	72.6	4017	3	US-09-270-767-11870	Sequence 11870, A	C 628	13.8	72.6	64610	3	US-09-949-016-12214	Sequence 12214, A
556	13.8	72.6	4165	2	US-08-095-737-1	Sequence 1, App1	C 629	13.8	72.6	64638	3	US-09-949-016-11767	Sequence 11767, A
557	13.8	72.6	4165	2	US-08-480-145-1	Sequence 1, App1	C 630	13.8	72.6	64639	3	US-09-949-016-13520	Sequence 13520, A
558	13.8	72.6	4165	2	US-08-477-389-1	Sequence 1, App1	C 631	13.8	72.6	66428	3	US-09-949-016-12917	Sequence 12917, A
C 559	13.8	72.6	4176	3	US-09-902-540-872	Sequence 872, App	C 632	13.8	72.6	67002	3	US-09-949-016-16803	Sequence 16803, A
560	13.8	72.6	4256	3	US-09-949-016-4812	Sequence 4812, App	C 633	13.8	72.6	71278	3	US-09-949-016-11851	Sequence 11851, A
561	13.8	72.6	4257	3	US-09-949-016-284	Sequence 284, App	C 634	13.8	72.6	71278	3	US-09-949-016-17563	Sequence 17563, A
562	13.8	72.6	4773	3	US-09-270-767-14129	Sequence 14129, A	C 635	13.8	72.6	75729	3	US-09-949-016-15231	Sequence 15231, A
C 563	13.8	72.6	5931	3	US-08-783-774-1	Sequence 1, App1	C 636	13.8	72.6	76284	3	US-09-949-016-15773	Sequence 15773, A
C 564	13.8	72.6	5931	3	US-09-556-706B-1	Sequence 1, App1	C 637	13.8	72.6	76422	3	US-09-949-016-15896	Sequence 15896, A
C 565	13.8	72.6	5931	3	US-09-724-418A-1	Sequence 1, App1	C 638	13.8	72.6	77100	3	US-09-949-016-16418	Sequence 16418, A
C 566	13.8	72.6	6192	3	US-09-949-016-3139	Sequence 3139, App	C 639	13.8	72.6	83558	3	US-09-949-016-16068	Sequence 16068, A
C 567	13.8	72.6	6192	3	US-09-949-016-3140	Sequence 3140, App	C 640	13.8	72.6	84582	3	US-09-949-016-15752	Sequence 15752, A
C 568	13.8	72.6	6192	3	US-09-949-016-3141	Sequence 3141, App	C 641	13.8	72.6	86980	3	US-09-949-016-15344	Sequence 15344, A
C 569	13.8	72.6	6192	3	US-09-949-016-3142	Sequence 3142, App	C 642	13.8	72.6	87857	3	US-09-949-016-13335	Sequence 13335, A
C 570	13.8	72.6	6192	3	US-09-949-016-3143	Sequence 3143, App	C 643	13.8	72.6	89220	3	US-09-949-016-12655	Sequence 12655, A
C 571	13.8	72.6	6192	3	US-09-949-016-3144	Sequence 3144, App	C 644	13.8	72.6	89224	3	US-09-949-016-15722	Sequence 15722, A
C 572	13.8	72.6	6192	3	US-09-949-016-3145	Sequence 3145, App	C 645	13.8	72.6	92155	3	US-09-949-016-17484	Sequence 17484, A
C 573	13.8	72.6	6192	3	US-09-949-016-3146	Sequence 3146, App	C 646	13.8	72.6	92276	3	US-09-949-016-12166	Sequence 12166, A
C 574	13.8	72.6	6930	3	US-09-902-540-856	Sequence 856, App	C 647	13.8	72.6	94877	3	US-09-949-016-16114	Sequence 16114, A
575	13.8	72.6	7117	3	US-09-645-415A-34	Sequence 34, App1	C 648	13.8	72.6	95361	3	US-09-949-016-12768	Sequence 12768, A
576	13.8	72.6	7543	3	US-09-774-528-163	Sequence 163, App	C 649	13.8	72.6	95551	3	US-09-949-016-13307	Sequence 13307, A
C 577	13.8	72.6	7734	3	US-09-949-016-1093	Sequence 1093, App	C 650	13.8	72.6	95551	3	US-09-949-016-13306	Sequence 13306, A
C 578	13.8	72.6	8145	3	US-09-949-016-1094	Sequence 1094, App	C 651	13.8	72.6	95621	3	US-09-949-016-13227	Sequence 13227, A
C 579	13.8	72.6	8220	3	US-09-949-016-1094	Sequence 1094, App	C 652	13.8	72.6	100837	3	US-09-949-016-12871	Sequence 12871, A
C 580	13.8	72.6	8220	3	US-09-949-016-1094	Sequence 1094, App	C 653	13.8	72.6	100837	3	US-09-949-016-17053	Sequence 17053, A
C 581	13.8	72.6	8280	3	US-09-949-016-5	Sequence 5, App1	C 654	13.8	72.6	104077	3	US-09-949-016-13593	Sequence 13593, A
C 582	13.8	72.6	8280	3	US-09-949-016-12606	Sequence 12606, A	C 655	13.8	72.6	104925	3	US-09-949-016-13210	Sequence 13210, A
C 583	13.8	72.6	8735	3	US-09-949-016-12929	Sequence 12929, A	C 656	13.8	72.6	111509	3	US-09-949-016-13210	Sequence 13210, A
C 584	13.8	72.6	8939	3	US-09-949-016-12703	Sequence 12703, A	C 657	13.8	72.6	112132	3	US-09-949-016-17379	Sequence 17379, A
C 585	13.8	72.6	9076	3	US-09-949-016-17358	Sequence 17358, A	C 658	13.8	72.6	112132	3	US-09-949-016-15053	Sequence 15053, A
C 586	13.8	72.6	9527	3	US-09-949-016-13979	Sequence 13979, A	C 659	13.8	72.6	115814	3	US-09-949-016-16205	Sequence 16205, A
587	13.8	72.6	11580	3	US-09-334-220-4	Sequence 4, App1	C 660	13.8	72.6	126116	3	US-09-949-016-16137	Sequence 16137, A
C 588	13.8	72.6	12176	3	US-09-949-016-3651	Sequence 3651, App	C 661	13.8	72.6	126116	3	US-09-949-016-16138	Sequence 16138, A
C 589	13.8	72.6	18037	3	US-09-949-016-13678	Sequence 13678, A	C 662	13.8	72.6	136136	3	US-09-949-016-15824	Sequence 15824, A
C 590	13.8	72.6	20481	3	US-09-949-016-12093	Sequence 12093, A	C 663	13.8	72.6	135171	3	US-09-949-016-15617	Sequence 15617, A
C 591	13.8	72.6	20481	3	US-09-949-016-13660	Sequence 13660, A	C 664	13.8	72.6	137753	3	US-09-949-016-16724	Sequence 16724, A
C 592	13.8	72.6	21295	3	US-09-902-540-1194	Sequence 1194, App	C 665	13.8	72.6	138633	3	US-09-949-016-16724	Sequence 16724, A
C 593	13.8	72.6	22807	3	US-09-902-540-1214	Sequence 1214, App	C 666	13.8	72.6	145320	3	US-09-949-016-15858	Sequence 15858, A
594	13.8	72.6	27916	3	US-09-949-016-15202	Sequence 15202, A	C 667	13.8	72.6	145812	3	US-09-949-016-15688	Sequence 15688, A
C 595	13.8	72.6	31390	3	US-09-949-016-15153	Sequence 15153, A	C 668	13.8	72.6	146307	3	US-09-949-016-14881	Sequence 14881, A
C 596	13.8	72.6	31390	3	US-09-949-016-17372	Sequence 17372, A	C 669	13.8	72.6	146307	3	US-09-949-016-14882	Sequence 14882, A
C 597	13.8	72.6	34794	3	US-10-164-085-39	Sequence 39, App1	C 670	13.8	72.6	146307	3	US-09-949-016-14883	Sequence 14883, A
C 598	13.8	72.6	34794	3	US-09-573-740A-82	Sequence 82, App1	C 671	13.8	72.6	146307	3	US-09-949-016-14884	Sequence 14884, A
C 599	13.8	72.6	35524	3	US-08-923-137-1	Sequence 1, App1	C 672	13.8	72.6	146307	3	US-09-949-016-14885	Sequence 14885, A
C 600	13.8	72.6	35675	3	US-09-949-016-13505	Sequence 13505, A	C 673	13.8	72.6	146307	3	US-09-949-016-14886	Sequence 14886, A
C 601	13.8	72.6	35803	3	US-09-949-016-11863	Sequence 11863, A	C 674	13.8	72.6	146307	3	US-09-949-016-14887	Sequence 14887, A
C 602	13.8	72.6	35804	3	US-09-949-016-12962	Sequence 12962, A	C 675	13.8	72.6	146307	3	US-09-949-016-14888	Sequence 14888, A
C 603	13.8	72.6	36307	3	US-09-949-016-17372	Sequence 17372, A	C 676	13.8	72.6	148405	3	US-09-949-016-11747	Sequence 11747, A
C 604	13.8	72.6	36643	3	US-09-949-016-11860	Sequence 11860, A	C 677	13.8	72.6	148405	3	US-09-949-016-12835	Sequence 12835, A
C 605	13.8	72.6	36821	3	US-09-949-016-16403	Sequence 16403, A	C 678	13.8	72.6	148405	3	US-09-949-016-12836	Sequence 12836, A
C 606	13.8	72.6	36821	3	US-09-949-016-16404	Sequence 16404, A	C 679	13.8	72.6	148405	3	US-09-949-016-12837	Sequence 12837, A
C 607	13.8	72.6	37030	3	US-08-311-731A-25	Sequence 25, App1	C 680	13.8	72.6	152070	3	US-09-949-016-15402	Sequence 15402, A
C 608	13.8	72.6	37715	3	US-09-949-016-13846	Sequence 13846, A	C 681	13.8	72.6	152486	3	US-09-949-016-12869	Sequence 12869, A

C 682	13.8	72.6	156324	3	US-09-949-016-13749	Sequence 11749, A	755	13.4	70.5	601	3	US-09-949-016-17938	Sequence 17838, A
C 683	13.8	72.6	156942	3	US-09-949-016-12227	Sequence 12227, A	C 756	13.4	70.5	601	3	US-09-949-016-22483	Sequence 22483, A
C 684	13.8	72.6	156950	3	US-09-949-016-15946	Sequence 15946, A	C 757	13.4	70.5	601	3	US-09-949-016-22484	Sequence 22484, A
C 685	13.8	72.6	157644	3	US-09-949-016-16179	Sequence 16179, A	C 758	13.4	70.5	601	3	US-09-949-016-22485	Sequence 22485, A
C 686	13.8	72.6	157644	3	US-09-949-016-16180	Sequence 16180, A	C 759	13.4	70.5	601	3	US-09-949-016-22486	Sequence 22486, A
C 687	13.8	72.6	151124	3	US-09-949-016-11760	Sequence 11760, A	C 760	13.4	70.5	601	3	US-09-949-016-26907	Sequence 26907, A
C 688	13.8	72.6	153662	3	US-09-949-016-12545	Sequence 12545, A	C 761	13.4	70.5	601	3	US-09-949-016-26908	Sequence 26908, A
C 689	13.8	72.6	163664	3	US-09-949-016-13546	Sequence 13546, A	C 762	13.4	70.5	601	3	US-09-949-016-41708	Sequence 41708, A
C 690	13.8	72.6	168104	3	US-09-949-016-12026	Sequence 12026, A	C 763	13.4	70.5	601	3	US-09-949-016-46155	Sequence 46155, A
C 691	13.8	72.6	168105	3	US-09-949-016-16554	Sequence 16554, A	C 764	13.4	70.5	601	3	US-09-949-016-57409	Sequence 57409, A
C 692	13.8	72.6	168174	3	US-10-071-411A-63	Sequence 63, Appl	C 765	13.4	70.5	601	3	US-09-949-016-57410	Sequence 57410, A
C 693	13.8	72.6	168273	3	US-10-071-411A-2	Sequence 2, Appl	C 766	13.4	70.5	601	3	US-09-949-016-57411	Sequence 57411, A
C 694	13.8	72.6	169334	3	US-09-949-016-15999	Sequence 15999, A	C 767	13.4	70.5	601	3	US-09-949-016-57412	Sequence 57412, A
C 695	13.8	72.6	176373	3	US-09-128-155-17	Sequence 17, Appl	C 768	13.4	70.5	601	3	US-09-949-016-65780	Sequence 65780, A
C 696	13.8	72.6	192506	3	US-09-949-016-15830	Sequence 15830, A	C 769	13.4	70.5	601	3	US-09-949-016-115479	Sequence 115479, A
C 697	13.8	72.6	193169	3	US-09-949-016-15091	Sequence 15091, A	C 770	13.4	70.5	601	3	US-09-949-016-158685	Sequence 158685, A
C 698	13.8	72.6	193303	3	US-09-497-855A-37	Sequence 37, Appl	C 771	13.4	70.5	601	3	US-09-949-016-158686	Sequence 158686, A
C 699	13.8	72.6	193303	3	US-09-497-855A-44	Sequence 44, Appl	C 772	13.4	70.5	601	3	US-09-949-016-158782	Sequence 158782, A
C 700	13.8	72.6	194790	3	US-09-949-016-15393	Sequence 15393, A	C 773	13.4	70.5	601	3	US-09-949-016-158783	Sequence 158783, A
C 701	13.8	72.6	199471	3	US-09-949-016-14083	Sequence 14083, A	C 774	13.4	70.5	601	3	US-09-949-016-168332	Sequence 168332, A
C 702	13.8	72.6	205163	3	US-09-949-016-17009	Sequence 17009, A	C 775	13.4	70.5	601	3	US-09-949-016-168333	Sequence 168333, A
C 703	13.8	72.6	209631	3	US-09-949-002-574	Sequence 574, App	C 776	13.4	70.5	601	3	US-09-949-016-168334	Sequence 168334, A
C 704	13.8	72.6	2109632	3	US-09-949-002-802	Sequence 802, App	C 777	13.4	70.5	601	3	US-09-949-016-182948	Sequence 182948, A
C 705	13.8	72.6	218940	3	US-09-949-016-17539	Sequence 17539, A	C 778	13.4	70.5	601	3	US-09-949-016-185442	Sequence 185442, A
C 706	13.8	72.6	227750	3	US-09-949-016-17175	Sequence 17175, A	C 779	13.4	70.5	601	3	US-09-949-016-19261	Sequence 19261, A
C 707	13.8	72.6	254964	3	US-09-949-016-12583	Sequence 12583, A	C 780	13.4	70.5	732	3	US-09-949-016-19262	Sequence 19133, App
C 708	13.8	72.6	254964	3	US-09-949-016-17392	Sequence 17392, A	C 781	13.4	70.5	756	3	US-09-949-016-4385	Sequence 4385, App
C 709	13.8	72.6	256171	3	US-09-949-016-12822	Sequence 12822, A	C 782	13.4	70.5	759	3	US-09-902-540-7996	Sequence 7996, App
C 710	13.8	72.6	256171	3	US-09-949-016-15524	Sequence 15524, A	C 783	13.4	70.5	777	3	US-09-161-241-76	Sequence 76, Appl
C 711	13.8	72.6	260247	3	US-09-949-016-13358	Sequence 13358, A	C 784	13.4	70.5	778	3	US-09-270-767-9920	Sequence 9920, App
C 712	13.8	72.6	260286	3	US-09-949-016-17037	Sequence 17037, A	C 785	13.4	70.5	816	3	US-09-328-352-1503	Sequence 1503, App
C 713	13.8	72.6	260293	3	US-09-949-016-12106	Sequence 12106, A	C 786	13.4	70.5	1062	3	US-09-576-1608-13	Sequence 12, Appl
C 714	13.8	72.6	285478	3	US-09-949-016-13362	Sequence 13362, A	C 787	13.4	70.5	1146	3	US-09-489-039A-1089	Sequence 1089, App
C 715	13.8	72.6	325034	3	US-09-949-016-14957	Sequence 14957, A	C 788	13.4	70.5	1275	3	US-09-543-681A-1885	Sequence 1885, App
C 716	13.8	72.6	373182	3	US-09-949-016-17371	Sequence 17371, A	C 789	13.4	70.5	1409	3	US-08-956-171E-267	Sequence 267, App
C 717	13.8	72.6	373694	3	US-09-949-016-12062	Sequence 12062, A	C 790	13.4	70.5	1409	3	US-08-781-986A-267	Sequence 267, App
C 718	13.8	72.6	385136	3	US-09-949-016-16073	Sequence 16073, A	C 791	13.4	70.5	1414	3	US-09-270-767-12335	Sequence 12335, A
C 719	13.8	72.6	389504	3	US-09-949-016-11774	Sequence 11774, A	C 792	13.4	70.5	1449	3	US-09-695-458-1	Sequence 1, Appl
C 720	13.8	72.6	392000	3	US-10-027-983-11	Sequence 11, Appl	C 793	13.4	70.5	1527	3	US-09-604-231-1	Sequence 1, Appl
C 721	13.8	72.6	421491	3	US-09-949-016-12805	Sequence 12805, A	C 794	13.4	70.5	1575	3	US-09-248-796A-3481	Sequence 3481, App
C 722	13.8	72.6	421491	3	US-09-949-016-14060	Sequence 14060, A	C 795	13.4	70.5	1587	3	US-09-792-024-15	Sequence 15, Appl
C 723	13.8	72.6	450395	3	US-09-949-016-15473	Sequence 15473, A	C 796	13.4	70.5	1616	3	US-09-370-253-11	Sequence 11, Appl
C 724	13.8	72.6	524032	3	US-09-949-016-16928	Sequence 16928, A	C 797	13.4	70.5	1697	3	US-09-270-767-9957	Sequence 9957, App
C 725	13.8	72.6	524032	3	US-09-949-016-16928	Sequence 16929, A	C 798	13.4	70.5	1698	3	US-09-599-287A-1	Sequence 1, Appl
C 726	13.8	72.6	524032	3	US-09-949-016-16930	Sequence 16930, A	C 799	13.4	70.5	1788	3	US-10-078-547-1	Sequence 1, Appl
C 727	13.8	72.6	524032	3	US-09-949-016-16931	Sequence 16931, A	C 800	13.4	70.5	1788	3	US-09-529-379-14	Sequence 14, Appl
C 728	13.8	72.6	529885	3	US-09-949-016-14340	Sequence 14340, A	C 801	13.4	70.5	1788	3	US-10-158-895-14	Sequence 14, Appl
C 729	13.8	72.6	529885	3	US-09-949-016-14341	Sequence 14341, A	C 802	13.4	70.5	1949	3	US-10-104-047-1245	Sequence 1245, App
C 730	13.8	72.6	529885	3	US-09-949-016-14342	Sequence 14342, A	C 803	13.4	70.5	1978	3	US-09-603-208A-33	Sequence 33, Appl
C 731	13.8	72.6	529885	3	US-09-949-016-14343	Sequence 14343, A	C 804	13.4	70.5	2214	3	US-09-799-451-147	Sequence 5411, App
C 732	13.8	72.6	529885	3	US-09-949-016-14344	Sequence 14344, A	C 805	13.4	70.5	2240	3	US-09-270-767-14124	Sequence 14124, A
C 733	13.8	72.6	529885	3	US-09-949-016-14345	Sequence 14345, A	C 806	13.4	70.5	2656	2	US-08-685-625A-5	Sequence 5, Appl
C 734	13.8	72.6	529885	3	US-09-949-016-14346	Sequence 14346, A	C 807	13.4	70.5	2656	2	US-08-685-625A-5	Sequence 5, Appl
C 735	13.8	72.6	529885	3	US-09-949-016-14347	Sequence 14347, A	C 808	13.4	70.5	2656	2	US-08-685-625A-5	Sequence 5, Appl
C 736	13.8	72.6	1664976	3	US-08-916-421B-1	Sequence 1, Appl	C 809	13.4	70.5	2656	3	US-09-529-279-3	Sequence 3, Appl
C 737	13.8	72.6	1664976	3	US-09-692-570-1	Sequence 1, Appl	C 810	13.4	70.5	2769	3	US-09-949-016-4031	Sequence 4031, App
C 738	13.8	72.6	1830121	3	US-09-557-884-1	Sequence 1, Appl	C 811	13.4	70.5	7393	3	US-09-620-312D-372	Sequence 372, App
C 739	13.8	72.6	1830121	3	US-09-557-884-1	Sequence 1, Appl	C 812	13.4	70.5	8252	3	US-09-949-016-13201	Sequence 13201, A
C 740	13.8	72.6	1830121	3	US-09-643-990A-1	Sequence 1, Appl	C 813	13.4	70.5	9295	3	US-09-949-016-16920	Sequence 16920, A
C 741	13.8	72.6	1830121	3	US-09-643-990A-1	Sequence 1, Appl	C 814	13.4	70.5	9295	3	US-09-949-016-16920	Sequence 16920, A
C 742	13.8	72.6	1830121	3	US-10-158-865-1	Sequence 1, Appl	C 815	13.4	70.5	11466	3	US-08-956-171E-444	Sequence 444, App
C 743	13.8	72.6	1830121	3	US-10-158-865-1	Sequence 1, Appl	C 816	13.4	70.5	11466	3	US-08-781-986A-444	Sequence 444, App
C 744	13.4	70.5	189	3	US-09-513-999C-2444	Sequence 2444, App	C 817	13.4	70.5	11922	3	US-09-902-540-1063	Sequence 1063, App
C 745	13.4	70.5	220	3	US-09-270-767-25223	Sequence 25223, A	C 818	13.4	70.5	14516	3	US-09-949-016-17047	Sequence 17047, A
C 746	13.4	70.5	354	3	US-09-270-767-28088	Sequence 28088, A	C 819	13.4	70.5	14516	3	US-09-661-887-1	Sequence 1, Appl
C 747	13.4	70.5	361	3	US-09-513-999C-2873	Sequence 2873, App	C 820	13.4	70.5	15203	3	US-09-949-016-16410	Sequence 16410, A
C 748	13.4	70.5	388	3	US-09-513-999C-11572	Sequence 11572, A	C 821	13.4	70.5	213594	3	US-09-949-016-11958	Sequence 11958, A
C 749	13.4	70.5	478	3	US-09-621-976C-3767	Sequence 3767, App	C 822	13.4	70.5	21394	3	US-09-949-016-13409	Sequence 13409, A
C 750	13.4	70.5	484	3	US-09-621-976-3818	Sequence 3818, App	C 823	13.4	70.5	23928	3	US-09-949-016-12392	Sequence 12392, A
C 751	13.4	70.5	492	3	US-09-621-976-766	Sequence 766, App	C 824	13.4	70.5	23928	3	US-09-949-016-16315	Sequence 16315, A
C 752	13.4	70.5	534	3	US-09-489-039A-5019	Sequence 5019, App	C 825	13.4	70.5	26729	3	US-10-283-247-6	Sequence 6, Appl
C 753	13.4	70.5	571	3	US-09-385-982-79	Sequence 79, Appl	C 826	13.4	70.5	28272	3	US-09-902-540-1217	Sequence 1217, App
C 754	13.4	70.5	574	3	US-09-786-715-3	Sequence 3, Appl	C 827	13.4	70.5	38584	3	US-09-453-702B-50	Sequence 50, Appl

828	13.4	70.5	38584	3	US-10-114-170-50	Sequence 50, Appl	901	13.2	69.5	372	3	US-09-124-671-28	Sequence 28, Appl
829	13.4	70.5	38808	3	US-09-949-016-11802	Sequence 11802, A	902	13.2	69.5	372	3	US-09-124-671-30	Sequence 30, Appl
830	13.4	70.5	38808	3	US-09-949-016-16735	Sequence 16735, A	903	13.2	69.5	373	3	US-09-621-976-12356	Sequence 12356, A
831	13.4	70.5	41322	3	US-10-024-396-13	Sequence 13, Appl	904	13.2	69.5	375	3	US-09-270-767-9438	Sequence 9438, Ap
832	13.4	70.5	41737	3	US-09-949-016-12204	Sequence 12204, A	905	13.2	69.5	375	3	US-09-270-767-9470	Sequence 9470, A
833	13.4	70.5	41741	3	US-09-949-016-16963	Sequence 16963, A	906	13.2	69.5	376	3	US-09-621-976-822	Sequence 822, App
834	13.4	70.5	41965	3	US-09-949-016-13067	Sequence 13067, A	907	13.2	69.5	378	3	US-09-621-976-789	Sequence 789, App
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ALIGNMENTS

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RESULT 1
US-09-103-840A-2/c
; Sequence 2, Application US/09103840A
; Patent No. 6294328
; GENERAL INFORMATION:
; APPLICANT: FLEISCHMAN, Robert D.
; APPLICANT: WHITE, Owen R.
; APPLICANT: FRASER, Claire M.
; APPLICANT: VENTER, John C.
; TITLE OF INVENTION: DNA SEQUENCES FOR STRAIN ANALYSIS IN MYCOBACTERIUM
; TITLE OF INVENTION: TUBERCULOSIS
; FILE REFERENCE: 24366-20007.00
; CURRENT APPLICATION NUMBER: US/09/103, 840A
; CURRENT FILING DATE: 1998-06-24
; NUMBER OF SEQ ID NOS: 2
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; ORGANISM: Mycobacterium tuberculosis
; FEATURE:
; OTHER INFORMATION: CDC 1551
; OTHER INFORMATION: "n" bases at various positions throughout the sequence
; OTHER INFORMATION: represent a, t, c or g
US-09-103-840A-2
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; Patent No. 6294328
; GENERAL INFORMATION:
; APPLICANT: FLEISCHMAN, Robert D.
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; APPLICANT: WHITE, Owen R.
; APPLICANT: FRASER, Claire M.
; APPLICANT: VENTER, John C.
; TITLE OF INVENTION: DNA SEQUENCES FOR STRAIN ANALYSIS IN MYCOBACTERIUM
; TITLE OF INVENTION: TUBERCULOSIS
; FILE REFERENCE: 24366-20007.00
; CURRENT APPLICATION NUMBER: US/09/103, 840A
; CURRENT FILING DATE: 1998-06-24
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; GENERAL INFORMATION:
; APPLICANT: Goldman, Barry S.
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Wiegand, Roger C.
; TITLE OF INVENTION: Myxococcus xanthus Genome Sequences and Uses Thereof
; FILE REFERENCE: 38-10(15849)B
; CURRENT APPLICATION NUMBER: US/09/902,540
; CURRENT FILING DATE: 2001-07-10
; PRIOR APPLICATION NUMBER: 60/217,883
; NUMBER OF SEQ ID NOS: 16825
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US-09-902-540-6405
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; GENERAL INFORMATION:
; APPLICANT: Goldman, Barry S.
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Wiegand, Roger C.
; TITLE OF INVENTION: Myxococcus xanthus Genome Sequences and Uses Thereof
; FILE REFERENCE: 38-10(15849)B
; CURRENT APPLICATION NUMBER: US/09/902,540
; CURRENT FILING DATE: 2001-07-10
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; Patent No. 6806082
; GENERAL INFORMATION:
; APPLICANT: Call, Brian M.
; APPLICANT: Holtzman, Doug
; APPLICANT: Madden, Kevin T.
; APPLICANT: Milna, G. Todd
; APPLICANT: Sherman, Amir
; APPLICANT: Silva, Jeffrey C.
; APPLICANT: Trueheart, Josh
; APPLICANT: Zhang, Lixin
; TITLE OF INVENTION: No. 6806082el Regulators of Fungal Gene Expression
; FILE REFERENCE: MIC-004
; CURRENT APPLICATION NUMBER: US/10/029,180
; CURRENT FILING DATE: 2001-12-22
; PRIOR APPLICATION NUMBER: US 60/257,431
; PRIOR FILING DATE: 2000-12-22
; NUMBER OF SEQ ID NOS: 138
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; LENGTH: 2043
; TYPE: DNA
; ORGANISM: Artificial Sequence
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; OTHER INFORMATION: fungal gene
US-10-029-180-27

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RESULT 6
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; Patent No. 6468546
; GENERAL INFORMATION:
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: King, Gordon E.
; APPLICANT: Algate, Paul A.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF OVARIAN CANCER
; FILE REFERENCE: 210121.462C2
; CURRENT APPLICATION NUMBER: US/09/404,879A
; CURRENT FILING DATE: 1999-09-24
; NUMBER OF SEQ ID NOS: 393
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US-09-404-879A-68

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; Patent No. 6488931
; GENERAL INFORMATION:
; APPLICANT: Mitcham, Jennifer Lynn
; APPLICANT: King, Gordon E.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY OF
; TITLE OF INVENTION: OVARIAN CANCER
; FILE REFERENCE: 210121.462C1
; CURRENT APPLICATION NUMBER: US/09/338,933
; CURRENT FILING DATE: 1999-06-23
; NUMBER OF SEQ ID NOS: 312
; SOFTWARE: FastSeq for Windows Version 3.0
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US-09-338-933-68

Query Match 83.2%; Score 15.8; DB 3; Length 511;
Best Local Similarity 89.5%; Pred. No. 2.2e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

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RESULT 8
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; Sequence 68, Application US/09215681A
; Patent No. 6528253
; GENERAL INFORMATION:
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Fridakis, Tony N.
; APPLICANT: King, Gordon E.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR DIAGNOSIS
; TITLE OF INVENTION: OF OVARIAN CANCER
; FILE REFERENCE: 210121.463
; CURRENT APPLICATION NUMBER: US/09/215,681A
; CURRENT FILING DATE: 1998-12-17
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US-09-215-681-68

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Best Local Similarity 89.5%; Pred. No. 2.2e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

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RESULT 9
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; Sequence 68, Application US/09216003A
; Patent No. 6670463

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; GENERAL INFORMATION:
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Frudakis, Tony N.
; APPLICANT: King, Gordon E.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY OF OVARIAN CANCER
; FILE REFERENCE: 210121.462
; CURRENT APPLICATION NUMBER: US/09/216.003A
; CURRENT FILING DATE: 1998-12-17
; NUMBER OF SEQ ID NOS: 310
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 68
; LENGTH: 511
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-09-216-003A-68

Query Match      83.2%  Score 15.8; DB 3; Length 511;
Best Local Similarity 89.5%; Pred. No. 2.2e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      1 GCGCAGCAGAAACGTCAGC 19
Db      120 GCACAGCAGAAACGCCAGC 138

RESULT 10
US-09-667-857-68
; Sequence 68, Application US/09667857
; Patent No. 6699664
; GENERAL INFORMATION:
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: King, Gordon E.
; APPLICANT: Algate, Paul A.
; APPLICANT: Flinn, Steven P.
; APPLICANT: Retter, Marc W.
; APPLICANT: Fanger, Gary Richard
; APPLICANT: Reed, Steven G.
; APPLICANT: Vedrick, Thomas S.
; APPLICANT: Carter, Darick
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF OVARIAN CANCER
; FILE REFERENCE: 210121.462C5
; CURRENT APPLICATION NUMBER: US/09/667,857
; CURRENT FILING DATE: 2000-09-20
; NUMBER OF SEQ ID NOS: 455
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 68
; LENGTH: 511
; TYPE: DNA
; ORGANISM: Homo sapien
; US-09-667-857-68

Query Match      83.2%  Score 15.8; DB 3; Length 511;
Best Local Similarity 89.5%; Pred. No. 2.2e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      1 GCGCAGCAGAAACGTCAGC 19
Db      120 GCACAGCAGAAACGCCAGC 138

RESULT 11
US-10-198-053-68
; Sequence 68, Application US/10198053
; Patent No. 6658710
; GENERAL INFORMATION:
; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: Retter, Marc W.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Hill, Paul
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; TITLE OF INVENTION: AND DIAGNOSIS OF OVARIAN CANCER
; FILE REFERENCE: 210121.462C9
```

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; CURRENT APPLICATION NUMBER: US/10/198,053
; CURRENT FILING DATE: 2002-07-17
; NUMBER OF SEQ ID NOS: 624
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 68
; LENGTH: 511
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-10-198-053-68

Query Match      83.2%  Score 15.8; DB 3; Length 511;
Best Local Similarity 89.5%; Pred. No. 2.2e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      1 GCGCAGCAGAAACGTCAGC 19
Db      120 GCACAGCAGAAACGCCAGC 138

RESULT 12
US-09-827-271-68
; Sequence 68, Application US/09827271
; Patent No. 6962980
; GENERAL INFORMATION:
; APPLICANT: Retter, Marc W.
; APPLICANT: Fanger, Gary R.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF OVARIAN CANCER
; FILE REFERENCE: 210121.462C6
; CURRENT APPLICATION NUMBER: US/09/827,271
; CURRENT FILING DATE: 2001-04-04
; NUMBER OF SEQ ID NOS: 461
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 68
; LENGTH: 511
; TYPE: DNA
; ORGANISM: Homo sapien
; US-09-827-271-68

Query Match      83.2%  Score 15.8; DB 3; Length 511;
Best Local Similarity 89.5%; Pred. No. 2.2e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      1 GCGCAGCAGAAACGTCAGC 19
Db      120 GCACAGCAGAAACGCCAGC 138

RESULT 13
US-09-878-281A-157
; Sequence 157, Application US/09878281A
; Patent No. 6762024
; GENERAL INFORMATION:
; APPLICANT: Innogenetics N.V.
; TITLE OF INVENTION: New sequences of hepatitis C virus genotypes for diagnosis, proph
; TITLE OF INVENTION: and therapy
; FILE REFERENCE: 35
; CURRENT APPLICATION NUMBER: US/09/878,281A
; CURRENT FILING DATE: 2001-06-12
; NUMBER OF SEQ ID NOS: 284
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 157
; LENGTH: 530
; TYPE: DNA
; ORGANISM: hepatitis C virus
; US-09-878-281A-157

Query Match      83.2%  Score 15.8; DB 3; Length 530;
Best Local Similarity 89.5%; Pred. No. 2.2e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      1 GCGCAGCAGAAACGTCAGC 19
```

Db 240 GCGCAGCAGAACTGCAGC 258

RESULT 14

US-09-949-016-124789/C
; Sequence 124789, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: C1001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 124789
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-124789

Query Match 83.2%; Score 15.8; DB 3; Length 601;
Best Local Similarity 89.5%; Pred. No. 2.3e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1 GCGCAGCAGAAAGTCAGC 19
Db 109 GTCGACGACGACGTCAGC 91

RESULT 15

US-09-489-039A-4468
; Sequence 4468, Application US/09489039A
; Patent No. 6610836
; GENERAL INFORMATION:
; APPLICANT: Gary Breton et. al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA
; TITLE OF INVENTION: PNEUMONIAE FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 2709.2004001
; CURRENT APPLICATION NUMBER: US/09/489,039A
; CURRENT FILING DATE: 2000-01-27
; PRIOR APPLICATION NUMBER: US 60/117,747
; PRIOR FILING DATE: 1999-01-29
; NUMBER OF SEQ ID NOS: 14342
; SEQ ID NO 4468
; LENGTH: 993
; TYPE: DNA
; ORGANISM: Klebsiella pneumoniae
US-09-489-039A-4468

Query Match 83.2%; Score 15.8; DB 3; Length 993;
Best Local Similarity 89.5%; Pred. No. 2.4e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1 GCGCAGCAGAAAGTCAGC 19
Db 823 GCGCAGCAGACATCAGC 841

RESULT 16

US-09-489-039A-5770/C
; Sequence 5770, Application US/09489039A
; Patent No. 6610836
; GENERAL INFORMATION:
; APPLICANT: Gary Breton et. al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA

; TITLE OF INVENTION: PNEUMONIAE FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 2709.2004001
; CURRENT APPLICATION NUMBER: US/09/489,039A
; CURRENT FILING DATE: 2000-01-27
; PRIOR APPLICATION NUMBER: US 60/117,747
; PRIOR FILING DATE: 1999-01-29
; NUMBER OF SEQ ID NOS: 14342
; SEQ ID NO 5770
; LENGTH: 1098
; TYPE: DNA
; ORGANISM: Klebsiella pneumoniae
US-09-489-039A-5770

Query Match 83.2%; Score 15.8; DB 3; Length 1098;
Best Local Similarity 89.5%; Pred. No. 2.5e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1 GCGCAGCAGAAAGTCAGC 19
Db 846 GCGCAGCAGACATCAGC 828

RESULT 17

US-09-252-991A-1686
; Sequence 1686, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 1686
; LENGTH: 1695
; TYPE: DNA
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-1686

Query Match 83.2%; Score 15.8; DB 3; Length 1695;
Best Local Similarity 89.5%; Pred. No. 2.6e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1 GCGCAGCAGAAAGTCAGC 19
Db 931 GCGCAGCAGAACCGCAGC 949

RESULT 18

US-09-252-991A-1492/C
; Sequence 1492, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 1492
; LENGTH: 1740
; TYPE: DNA
; ORGANISM: Pseudomonas aeruginosa

US-09-252-991A-1492

Query Match 83.2%; Score 15.8; DB 3; Length 1740;
Best Local Similarity 89.5%; Pred. No. 2.6e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GCGCAGCAGAAACGTCAGC 19
DB 813 GCGCAGCAGAAACCGCCAGC 795

RESULT 19

US-09-252-991A-1534/c
; Sequence 1534, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; PRIOR FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 1534
; LENGTH: 1806
; TYPE: DNA
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-1534

Query Match 83.2%; Score 15.8; DB 3; Length 1806;
Best Local Similarity 89.5%; Pred. No. 2.7e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GCGCAGCAGAAACGTCAGC 19
DB 1442 GCGCAGCAGAAACCGCCAGC 1424

RESULT 20

US-09-902-540-3896/c
; Sequence 3896, Application US/09902540
; Patent No. 6833447
; GENERAL INFORMATION:
; APPLICANT: Goldman, Barry S.
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Wiegand, Roger C.
; TITLE OF INVENTION: Myxococcus xanthus Genome Sequences and Uses Thereof
; FILE REFERENCE: 38-101158491B
; CURRENT APPLICATION NUMBER: US/09/902,540
; PRIOR FILING DATE: 2001-07-10
; PRIOR APPLICATION NUMBER: 60/217,883
; PRIOR FILING DATE: 2000-07-10
; NUMBER OF SEQ ID NOS: 16825
; SEQ ID NO 3896
; LENGTH: 1971
; TYPE: DNA
; ORGANISM: Myxococcus xanthus
US-09-902-540-3896

Query Match 83.2%; Score 15.8; DB 3; Length 1971;
Best Local Similarity 89.5%; Pred. No. 2.7e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GCGCAGCAGAAACGTCAGC 19
DB 42 GTGCAGCAGAAACGTCGCG 24

RESULT 21

US-08-178-477B-42
; Sequence 42, Application US/08178477B
; Patent No. 5756343
; GENERAL INFORMATION:
; APPLICANT: WU, CARL; CLOS, JOACHIM;
; APPLICANT: WESTWOOD, J. TIMOTHY.; RABINDRAN, SRIDHAR
; TITLE OF INVENTION: CELL STRESS
; TITLE OF INVENTION: TRANSCRIPTIONAL FACTORS
; NUMBER OF SEQUENCES: 42
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MORGAN & FINNEGAN
; STREET: 345 PARK AVENUE
; CITY: NEW YORK
; STATE: NEW YORK
; COUNTRY: USA
; ZIP: 10154
; COMPUTER READABLE FORM:
; MEDIUM TYPE: FLOPPY DISK
; COMPUTER: IBM PC COMPATIBLE
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: WORDPERFECT 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/178,477B
; FILING DATE: 07-JAN-1994
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/07/617,910
; FILING DATE: 26-NOV-1990
; CLASSIFICATION: 530
; ATTORNEY/AGENT INFORMATION:
; NAME: CAROL M. GRUPEI
; REGISTRATION NUMBER: 37,341
; REFERENCE/DOCKET NUMBER: 2026-4103U51
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 758-4800
; TELEFAX: (212) 751-6849
; TELEX: 421792
; INFORMATION FOR SEQ ID NO: 42:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2781
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: CDNA
US-08-178-477B-42

Query Match 83.2%; Score 15.8; DB 2; Length 2781;
Best Local Similarity 89.5%; Pred. No. 2.8e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GCGCAGCAGAAACGTCAGC 19
DB 1417 GAGCAGCAGAAACGTCAGC 1435

RESULT 22

US-09-252-991A-8084
; Sequence 8084, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; PRIOR FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 8084

LENGTH: 3018
TYPE: DNA
ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-8084

Query Match 83.2%; Score 15.8; DB 3; Length 3018;
Best Local Similarity 89.5%; Pred. No. 2.9e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GCGCAGCAGAAAGCTCAGC 19
DB 2722 GAGCAGCAGAAAGCTCTGC 2740

RESULT 23
US-09-710-794-1/C
Sequence 1, Application US/09710794
Patent No. 6573069
GENERAL INFORMATION:
APPLICANT: Holloway, James L.
APPLICANT: Gao, Zeren
TITLE OF INVENTION: NOVEL CRIB PROTEIN ZMSE1
FILE REFERENCE: 99-76
CURRENT APPLICATION NUMBER: US/09/710,794
CURRENT FILING DATE: 2000-11-09
PRIOR APPLICATION NUMBER: US 60/164,685
PRIOR FILING DATE: 1999-11-10
NUMBER OF SEQ ID NOS: 31
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 1
LENGTH: 3076
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: (139)...(1266)
US-09-710-794-1

Query Match 83.2%; Score 15.8; DB 3; Length 3076;
Best Local Similarity 89.5%; Pred. No. 2.9e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GCGCAGCAGAAAGCTCAGC 19
DB 1707 GCACAGCAGAAAGCTCAGC 1689

RESULT 24
US-09-620-312D-266/C
Sequence 266, Application US/09620312D
Patent No. 6569662
GENERAL INFORMATION:
APPLICANT: Tang, Y. Tom
APPLICANT: Liu, Chenghua
APPLICANT: Asundi, Vinod
APPLICANT: Zhang, Jie
APPLICANT: Ren, Feiyan
APPLICANT: Chen, Rui-hong
APPLICANT: Zhao, Qing A.
APPLICANT: Wehrman, Tom
APPLICANT: Xue, Aidong J.
APPLICANT: Yang, Yonghong
APPLICANT: Wang, Yian-Rui
APPLICANT: Zhou, Ping
APPLICANT: Ma, Yundong
APPLICANT: Wang, Dunrui
APPLICANT: Wang, Zhiwei
APPLICANT: John Tillinghast
APPLICANT: Drmanac, Radoje T.
TITLE OF INVENTION: No. 6569662el Nucleic Acids and
TITLE OF INVENTION: Polypeptides
FILE REFERENCE: 784CIP2B

CURRENT APPLICATION NUMBER: US/09/620,312D
CURRENT FILING DATE: 2000-07-19
PRIOR APPLICATION NUMBER: 09/552,317
PRIOR FILING DATE: 2000-04-25
PRIOR APPLICATION NUMBER: 09/488,725
PRIOR FILING DATE: 2000-01-21
NUMBER OF SEQ ID NOS: 1105
SOFTWARE: PL FL_genes Version 1.0
SEQ ID NO 266
LENGTH: 4549
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: (186)..(3362)
US-09-620-312D-266

Query Match 83.2%; Score 15.8; DB 3; Length 4549;
Best Local Similarity 89.5%; Pred. No. 3e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GCGCAGCAGAAAGCTCAGC 19
DB 1901 GCGCAGCAGCAGCCTCAGC 1883

RESULT 25
US-09-949-016-5404/C
Sequence 5404, Application US/09949016
Patent No. 6812339
GENERAL INFORMATION:
APPLICANT: VENTER, J. Craig et al.
TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
FILE REFERENCE: CL001307
CURRENT APPLICATION NUMBER: US/09/949,016
CURRENT FILING DATE: 2000-04-14
PRIOR APPLICATION NUMBER: 60/241,755
PRIOR FILING DATE: 2000-10-20
PRIOR APPLICATION NUMBER: 60/237,768
PRIOR FILING DATE: 2000-10-03
PRIOR APPLICATION NUMBER: 60/231,498
PRIOR FILING DATE: 2000-09-08
NUMBER OF SEQ ID NOS: 207012
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 5404
LENGTH: 4608
TYPE: DNA
ORGANISM: Human
US-09-949-016-5404

Query Match 83.2%; Score 15.8; DB 3; Length 4608;
Best Local Similarity 89.5%; Pred. No. 3e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GCGCAGCAGAAAGCTCAGC 19
DB 2203 GCGCAGCAGCAGCCTCAGC 2185

RESULT 26
US-09-949-016-1005/C
Sequence 1005, Application US/09949016
Patent No. 6812339
GENERAL INFORMATION:
APPLICANT: VENTER, J. Craig et al.
TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
FILE REFERENCE: CL001307
CURRENT APPLICATION NUMBER: US/09/949,016
CURRENT FILING DATE: 2000-04-14
PRIOR APPLICATION NUMBER: 60/241,755
PRIOR FILING DATE: 2000-10-20

PRIOR APPLICATION NUMBER: 60/237,768
PRIOR FILING DATE: 2000-10-03
PRIOR APPLICATION NUMBER: 60/231,498
PRIOR FILING DATE: 2000-09-08
NUMBER OF SEQ ID NOS: 207012
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 1005
LENGTH: 4617
TYPE: DNA
ORGANISM: Human
US-09-949-016-1005

Query Match 83.2%; Score 15.8; DB 3; Length 4617;
Best Local Similarity 89.5%; Pred. No. 3e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GCGCAGCAGAAAGCTCAGC 19
|||||
Db 2203 GCGCAGCAGCAGCCTCAGC 2185

RESULT 27

US-09-620-312D-267/C
Sequence 267, Application US/09620312D
Patent No. 6569662
GENERAL INFORMATION:
APPLICANT: Tang, Y. Tom
APPLICANT: Asundi, Vinod
APPLICANT: Liu, Chenghua
APPLICANT: Zhang, Jie
APPLICANT: Ren, Feiyan
APPLICANT: Chen, Rui-hong
APPLICANT: Zhao, Qing A.
APPLICANT: Wehrman, Tom
APPLICANT: Xue, Aidong J.
APPLICANT: Yang, Yonghong
APPLICANT: Wang, Jian-Rui
APPLICANT: Zhou, Ping
APPLICANT: Ma, Yundong
APPLICANT: Wang, Dunrui
APPLICANT: Wang, Zhiwei
APPLICANT: John Tillinghast
APPLICANT: Drmanac, Radoje T.
TITLE OF INVENTION: No. 6569662e1 Nucleic Acids and
FILE REFERENCE: 784CIP2B
CURRENT APPLICATION NUMBER: US/09/620,312D
CURRENT FILING DATE: 2000-07-19
PRIOR APPLICATION NUMBER: 09/552,317
PRIOR FILING DATE: 2000-04-25
PRIOR APPLICATION NUMBER: 09/488,725
PRIOR FILING DATE: 2000-01-21
NUMBER OF SEQ ID NOS: 1105
SOFTWARE: PC_FU_genes Version 1.0
SEQ ID NO 267
LENGTH: 4942
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: (186) .. (3755)
US-09-620-312D-267

Query Match 83.2%; Score 15.8; DB 3; Length 4942;
Best Local Similarity 89.5%; Pred. No. 3.1e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GCGCAGCAGAAAGCTCAGC 19
|||||
Db 1901 GCGCAGCAGCAGCCTCAGC 1883

RESULT 28

US-09-949-016-1076/C
Sequence 1076, Application US/09949016
Patent No. 6812339
GENERAL INFORMATION:
APPLICANT: VENTER, J. Craig et al.
TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
FILE REFERENCE: CL001307
CURRENT APPLICATION NUMBER: US/09/949,016
CURRENT FILING DATE: 2000-04-14
PRIOR APPLICATION NUMBER: 60/241,755
PRIOR FILING DATE: 2000-10-20
PRIOR APPLICATION NUMBER: 60/237,768
PRIOR FILING DATE: 2000-10-03
PRIOR APPLICATION NUMBER: 60/231,498
PRIOR FILING DATE: 2000-09-08
NUMBER OF SEQ ID NOS: 207012
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 1076
LENGTH: 6588
TYPE: DNA
ORGANISM: Human
US-09-949-016-1076

Query Match 83.2%; Score 15.8; DB 3; Length 6588;
Best Local Similarity 89.5%; Pred. No. 3.2e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GCGCAGCAGAAAGCTCAGC 19
|||||
Db 495 GCGCAGCAGTGCCTCAGC 477

RESULT 29

US-09-949-016-15145/C
Sequence 15145, Application US/09949016
Patent No. 6812339
GENERAL INFORMATION:
APPLICANT: VENTER, J. Craig et al.
TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
FILE REFERENCE: CL001307
CURRENT APPLICATION NUMBER: US/09/949,016
CURRENT FILING DATE: 2000-04-14
PRIOR APPLICATION NUMBER: 60/241,755
PRIOR FILING DATE: 2000-10-20
PRIOR APPLICATION NUMBER: 60/237,768
PRIOR FILING DATE: 2000-10-03
PRIOR APPLICATION NUMBER: 60/231,498
PRIOR FILING DATE: 2000-09-08
NUMBER OF SEQ ID NOS: 207012
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 15145
LENGTH: 8920
TYPE: DNA
ORGANISM: Human
FEATURE:
NAME/KEY: misc feature
LOCATION: (1) .. (8920)
OTHER INFORMATION: n = A,T,C or G
US-09-949-016-15145

Query Match 83.2%; Score 15.8; DB 3; Length 8920;
Best Local Similarity 89.5%; Pred. No. 3.3e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GCGCAGCAGAAAGCTCAGC 19
|||||
Db 1649 GCGCAGCAGTGCCTCAGC 1631

RESULT 30

US-09-902-540-1192


```
; Sequence 1192, Application US/09902540
; Patent No. 6833447
; GENERAL INFORMATION:
; APPLICANT: Goldman, Barry S.
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Wiegand, Roger C.
; TITLE OF INVENTION: Myxococcus xanthus Genome Sequences and Uses Thereof
; FILE REFERENCE: 38-10(115849)B
; CURRENT APPLICATION NUMBER: US/09/902,540
; CURRENT FILING DATE: 2001-07-10
; PRIOR APPLICATION NUMBER: 60/217,883
; PRIOR FILING DATE: 2000-07-10
; NUMBER OF SEQ ID NOS: 16825
; SEQ ID NO 1192
; LENGTH: 19222
; TYPE: DNA
; ORGANISM: Myxococcus xanthus
US-09-902-540-1192

Query Match      83.2%; Score 15.8; DB 3; Length 19222;
Best Local Similarity 89.5%; Pred. No. 3.7e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      1 GCGCAGCAGAAACGTCAGC 19
Db      2930 GTGCAGCAGAAACGTCGCC 2948

RESULT 31
US-09-949-016-12818/c
; Sequence 12818, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 12818
; LENGTH: 30678
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1) - (30678)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-12818

Query Match      83.2%; Score 15.8; DB 3; Length 30678;
Best Local Similarity 89.5%; Pred. No. 4e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      1 GCGCAGCAGAAACGTCAGC 19
Db      3033 GCGCAGCAGTACGTCAGC 3015

RESULT 32
US-09-949-002-665
; Sequence 665, Application US/09949002
; Patent No. 6900016
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
```

```
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH INFLAMMATORY AUTOIMMUNE DISEASE, METHODS OF DETECTION
; TITLE OF INVENTION: AND USES THEREOF
; FILE REFERENCE: CL000790
; CURRENT APPLICATION NUMBER: US/09/949,002
; CURRENT FILING DATE: 2000-01-28
; PRIOR APPLICATION NUMBER: 60/231,401
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 10823
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 665
; LENGTH: 34725
; TYPE: DNA
; ORGANISM: Human
US-09-949-002-665

Query Match      83.2%; Score 15.8; DB 3; Length 34725;
Best Local Similarity 89.5%; Pred. No. 4e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      1 GCGCAGCAGAAACGTCAGC 19
Db      6219 GCGCAGCAGAAATGTCAGC 6237

RESULT 33
US-09-949-002-857
; Sequence 857, Application US/09949002
; Patent No. 6900016
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH INFLAMMATORY AUTOIMMUNE DISEASE, METHODS OF DETECTION
; TITLE OF INVENTION: AND USES THEREOF
; FILE REFERENCE: CL000790
; CURRENT APPLICATION NUMBER: US/09/949,002
; CURRENT FILING DATE: 2000-01-28
; PRIOR APPLICATION NUMBER: 60/231,401
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 10823
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 857
; LENGTH: 34726
; TYPE: DNA
; ORGANISM: Human
US-09-949-002-857

Query Match      83.2%; Score 15.8; DB 3; Length 34726;
Best Local Similarity 89.5%; Pred. No. 4e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      1 GCGCAGCAGAAACGTCAGC 19
Db      6219 GCGCAGCAGAAATGTCAGC 6237

RESULT 34
US-09-949-016-12747/c
; Sequence 12747, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
```

NUMBER OF SEQ ID NOS: 207012
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 12747
LENGTH: 55328
TYPE: DNA
ORGANISM: Human
US-09-949-016-12747

Query Match 83.2%; Score 15.8; DB 3; Length 55328;
Best Local Similarity 89.5%; Pred. No. 4.3e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

OY 1 GCGCAGCAGAAACGTCAGC 19
Db 27991 GCGCAGCAGCACCCTCAGC 27973

RESULT 35
US-09-949-016-17146/C
Sequence 17146, Application US/09949016
Patent No. 6812339
GENERAL INFORMATION:
APPLICANT: VENTER, J. Craig et al.
TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
FILE REFERENCE: C1001307
CURRENT APPLICATION NUMBER: US/09/949,016
CURRENT FILING DATE: 2000-04-14
PRIOR APPLICATION NUMBER: 60/241,755
PRIOR FILING DATE: 2000-10-20
PRIOR FILING DATE: 2000-10-20
PRIOR FILING DATE: 2000-10-03
PRIOR FILING DATE: 2000-10-03
PRIOR FILING DATE: 2000-09-08
PRIOR FILING DATE: 2000-09-08
NUMBER OF SEQ ID NOS: 207012
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 17146
LENGTH: 55330
TYPE: DNA
ORGANISM: Human
US-09-949-016-17146

Query Match 83.2%; Score 15.8; DB 3; Length 55330;
Best Local Similarity 89.5%; Pred. No. 4.3e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

OY 1 GCGCAGCAGAAACGTCAGC 19
Db 27991 GCGCAGCAGCACCCTCAGC 27973

RESULT 36
US-09-949-016-15270/C
Sequence 15270, Application US/09949016
Patent No. 6812339
GENERAL INFORMATION:
APPLICANT: VENTER, J. Craig et al.
TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
FILE REFERENCE: C1001307
CURRENT APPLICATION NUMBER: US/09/949,016
CURRENT FILING DATE: 2000-04-14
PRIOR APPLICATION NUMBER: 60/241,755
PRIOR FILING DATE: 2000-10-20
PRIOR FILING DATE: 2000-10-20
PRIOR FILING DATE: 2000-10-03
PRIOR FILING DATE: 2000-10-03
PRIOR FILING DATE: 2000-09-08
PRIOR FILING DATE: 2000-09-08
NUMBER OF SEQ ID NOS: 207012
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 15270
LENGTH: 192302
TYPE: DNA

ORGANISM: Human
FEATURE:
NAME/KEY: misc_feature
LOCATION: (1) ..(192302)
OTHER INFORMATION: n = A,T,C or G
US-09-949-016-15270

Query Match 83.2%; Score 15.8; DB 3; Length 192302;
Best Local Similarity 89.5%; Pred. No. 5e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

OY 1 GCGCAGCAGAAACGTCAGC 19
Db 39317 GTGCAGCAGCAACGTCAGC 39299

RESULT 37
US-09-103-840A-2
Sequence 2, Application US/09103840A
Patent No. 6294328
GENERAL INFORMATION:
APPLICANT: FLEISCHMAN, Robert D.
APPLICANT: WHITE, Owen R.
APPLICANT: FRASER, Claire M.
APPLICANT: VENTER, John C.
TITLE OF INVENTION: DNA SEQUENCES FOR STRAIN ANALYSIS IN MYCOBACTERIUM
TUBERCULOSIS
FILE REFERENCE: 24366-20007,00
CURRENT APPLICATION NUMBER: US/09/103,840A
CURRENT FILING DATE: 1998-06-24
NUMBER OF SEQ ID NOS: 2
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 2
LENGTH: 4403765
TYPE: DNA
ORGANISM: Mycobacterium tuberculosis
FEATURE:
OTHER INFORMATION: "n" bases at various positions throughout the sequence
OTHER INFORMATION: represent a, t, c or g
US-09-103-840A-2

Query Match 83.2%; Score 15.8; DB 3; Length 4403765;
Best Local Similarity 89.5%; Pred. No. 3.5e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

OY 1 GCGCAGCAGAAACGTCAGC 19
Db 3444072 GCGCAGCAGAAACGTCAGC 3444090

RESULT 38
US-09-103-840A-1
Sequence 1, Application US/09103840A
Patent No. 6294328
GENERAL INFORMATION:
APPLICANT: FLEISCHMAN, Robert D.
APPLICANT: WHITE, Owen R.
APPLICANT: FRASER, Claire M.
APPLICANT: VENTER, John C.
TITLE OF INVENTION: DNA SEQUENCES FOR STRAIN ANALYSIS IN MYCOBACTERIUM
TUBERCULOSIS
FILE REFERENCE: 24366-20007,00
CURRENT APPLICATION NUMBER: US/09/103,840A
CURRENT FILING DATE: 1998-06-24
NUMBER OF SEQ ID NOS: 2
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 1
LENGTH: 4411529
TYPE: DNA
ORGANISM: Mycobacterium tuberculosis
OTHER INFORMATION: h37rv
US-09-103-840A-1

Query Match 83.2%; Score 15.8; DB 3; Length 441529;
Best Local Similarity 89.5%; Pred. No. 3.5e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GCACGACGAGAAACGTCAGC 19
DB 3448328 GCGCCGACGAGAAACGTCAGC 3448346

RESULT 39
US-09-949-016-36726/c
; Sequence 36726, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: C1001307
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FASTSEQ for Windows Version 4.0
; SEQ ID NO 36726
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-36726

Query Match 81.1%; Score 15.4; DB 3; Length 601;
Best Local Similarity 94.1%; Pred. No. 3.6e+02;
Matches 16; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 3 GCACGACGAGAAACGTCAGC 19
DB 50 GCACGACGAGAAATGTCAGC 34

RESULT 40
US-09-949-016-154754/c
; Sequence 154754, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: C1001307
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FASTSEQ for Windows Version 4.0
; SEQ ID NO 154754
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-154754

Query Match 81.1%; Score 15.4; DB 3; Length 601;
Best Local Similarity 94.1%; Pred. No. 3.6e+02;
Matches 16; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 3 GCACGACGAGAAACGTCAGC 19
DB 50 GCACGACGAGAAATGTCAGC 34

RESULT 41
US-09-489-039A-188
; Sequence 188, Application US/09489039A
; Patent No. 6610836
; GENERAL INFORMATION:
; APPLICANT: Gary Breton et. al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA
; FILE REFERENCE: 2709.2004001
; CURRENT FILING DATE: US/09/489,039A
; PRIOR APPLICATION NUMBER: US 60/117,747
; PRIOR FILING DATE: 1999-01-29
; NUMBER OF SEQ ID NOS: 14342
; SEQ ID NO 188
; LENGTH: 927
; TYPE: DNA
; ORGANISM: Klebsiella pneumoniae
US-09-489-039A-188

Query Match 81.1%; Score 15.4; DB 3; Length 927;
Best Local Similarity 94.1%; Pred. No. 3.8e+02;
Matches 16; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 3 GCACGACGAGAAACGTCAGC 19
DB 158 GCACGACGAGAAACGTCAGC 174

RESULT 42
US-09-902-540-5784/c
; Sequence 5784, Application US/09902540
; Patent No. 6833447
; GENERAL INFORMATION:
; APPLICANT: Goldman, Barry S.
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Wiegand, Roger C.
; TITLE OF INVENTION: Myxococcus xanthus Genome Sequences and Uses Thereof
; FILE REFERENCE: 38-10(115849)B
; CURRENT FILING DATE: US/09/902,540
; PRIOR FILING DATE: 2001-07-10
; PRIOR APPLICATION NUMBER: 60/217,883
; NUMBER OF SEQ ID NOS: 16825
; SEQ ID NO 5784
; LENGTH: 1020
; TYPE: DNA
; ORGANISM: Myxococcus xanthus
US-09-902-540-5784

Query Match 81.1%; Score 15.4; DB 3; Length 1020;
Best Local Similarity 94.1%; Pred. No. 3.9e+02;
Matches 16; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 3 GCACGACGAGAAACGTCAGC 19
DB 277 GCACGACGAGAAACGTCAGC 261

RESULT 43
US-09-252-991A-16144/c
; Sequence 16144, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS

FILE REFERENCE: 107196.136
CURRENT APPLICATION NUMBER: US/09/252,991A
CURRENT FILING DATE: 1999-02-18
PRIOR APPLICATION NUMBER: US 60/074,788
PRIOR FILING DATE: 1998-02-18
PRIOR APPLICATION NUMBER: US 60/094,190
PRIOR FILING DATE: 1998-07-27
NUMBER OF SEQ ID NOS: 33142
SEQ ID NO 16144
LENGTH: 2721
TYPE: DNA
ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-16144

Query Match 81.1%; Score 15.4; DB 3; Length 2721;
Best Local Similarity 94.1%; Pred. No. 4.4e+02;
Matches 16; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 GCGCAGCAAGAAACGTCA 17
Db 1053 GCGCAGCGCAAAACGTCA 1037

RESULT 44
US-09-902-540-1273/c
Sequence 1273, Application US/09902540
Patent No. 6833447
GENERAL INFORMATION:
APPLICANT: Goldman, Barry S.
APPLICANT: Hinkle, Gregory J.
APPLICANT: Slater, Steven C.
APPLICANT: Miesand, Roger C.
TITLE OF INVENTION: Myxococcus xanthus Genome Sequences and Uses Thereof
FILE REFERENCE: 38-10(115849)B
CURRENT APPLICATION NUMBER: US/09/902,540
CURRENT FILING DATE: 2001-07-10
PRIOR APPLICATION NUMBER: 60/217,883
PRIOR FILING DATE: 2000-07-10
NUMBER OF SEQ ID NOS: 16825
SEQ ID NO 1273
LENGTH: 72704
TYPE: DNA
ORGANISM: Myxococcus xanthus
FEATURE:
NAME/KEY: unsure
LOCATION: (1)..(72704)
OTHER INFORMATION: unsure at all n locations
US-09-902-540-1273

Query Match 81.1%; Score 15.4; DB 3; Length 72704;
Best Local Similarity 94.1%; Pred. No. 6.9e+02;
Matches 16; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 3 GCAGCAGAAACGTACG 19
Db 27982 GCAGCAGCAACGTACG 27966

RESULT 45
US-09-949-016-12706
Sequence 12706, Application US/09949016
Patent No. 6812339
GENERAL INFORMATION:
APPLICANT: VENTER, J. Craig et al.
TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
FILE REFERENCE: C1001307
CURRENT APPLICATION NUMBER: US/09/949,016
CURRENT FILING DATE: 2000-04-14
PRIOR APPLICATION NUMBER: 60/241,755
PRIOR FILING DATE: 2000-10-20
PRIOR APPLICATION NUMBER: 60/237,768
PRIOR FILING DATE: 2000-10-03

PRIOR APPLICATION NUMBER: 60/231,498
PRIOR FILING DATE: 2000-09-08
NUMBER OF SEQ ID NOS: 207012
SOFTWARE: FASTSEQ for Windows Version 4.0
SEQ ID NO 12706
LENGTH: 275110
TYPE: DNA
ORGANISM: Human
US-09-949-016-12706

Query Match 81.1%; Score 15.4; DB 3; Length 275110;
Best Local Similarity 94.1%; Pred. No. 8e+02;
Matches 16; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 3 GCAGCAGAAACGTACG 19
Db 155148 GCAGCAGAAATGTCAGC 155164

RESULT 46
US-09-949-016-16070
Sequence 16070, Application US/09949016
Patent No. 6812339
GENERAL INFORMATION:
APPLICANT: VENTER, J. Craig et al.
TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
FILE REFERENCE: C1001307
CURRENT APPLICATION NUMBER: US/09/949,016
CURRENT FILING DATE: 2000-04-14,755
PRIOR APPLICATION NUMBER: 60/241,755
PRIOR FILING DATE: 2000-10-20
PRIOR APPLICATION NUMBER: 60/237,768
PRIOR FILING DATE: 2000-10-03
PRIOR APPLICATION NUMBER: 60/231,498
PRIOR FILING DATE: 2000-09-08
NUMBER OF SEQ ID NOS: 207012
SOFTWARE: FASTSEQ for Windows Version 4.0
SEQ ID NO 16070
LENGTH: 275110
TYPE: DNA
ORGANISM: Human
US-09-949-016-16070

Query Match 81.1%; Score 15.4; DB 3; Length 275110;
Best Local Similarity 94.1%; Pred. No. 8e+02;
Matches 16; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 3 GCAGCAGAAACGTACG 19
Db 155148 GCAGCAGAAATGTCAGC 155164

RESULT 47
US-09-489-039A-4912/c
Sequence 4912, Application US/09489039A
Patent No. 6610836
GENERAL INFORMATION:
APPLICANT: Gary Breton et al.
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA
PNEUMONIAE FOR DIAGNOSTICS AND THERAPEUTICS
FILE REFERENCE: 2709.2004001
CURRENT APPLICATION NUMBER: US/09/489,039A
CURRENT FILING DATE: 2000-01-27
PRIOR APPLICATION NUMBER: US 60/117,747
PRIOR FILING DATE: 1999-01-29
NUMBER OF SEQ ID NOS: 14342
SEQ ID NO 4912
LENGTH: 246
TYPE: DNA
ORGANISM: Klebsiella pneumoniae
US-09-489-039A-4912

Query Match 77.9% Score 14.8; DB 3; Length 246;
Best Local Similarity 88.9% Pred. No. 6.2e+02;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GCGCAGCAGAAACGTCAG 18
|||
Db 180 GCGCAGCAGAAACGTCAG 163

RESULT 48

US-09-513-999C-23269/C
; Sequence 23269, Application US/09513999C
; Patent No. 6783961
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, J.B.
; APPLICANT: Duclet, A.
; TITLE OF INVENTION: Expressed Sequence Tags and Encoded Human Proteins.
; Patent No. 6783961
; FILE REFERENCE: 59.US2.REG
; CURRENT APPLICATION NUMBER: US/09/513,999C
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/122,487
; PRIOR FILING DATE: 1999-02-26
; NUMBER OF SEQ ID NOS: 36681
; SOFTWARE: Patent.pm
; SEQ ID NO 23269
; LENGTH: 286
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-513-999C-23269

Query Match 77.9% Score 14.8; DB 3; Length 286;
Best Local Similarity 88.9% Pred. No. 6.4e+02;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GCGCAGCAGAAACGTCAG 18
|||
Db 207 GCGCAGCAGAAACGTCAG 190

RESULT 49

US-09-489-039A-1711/C
; Sequence 1711, Application US/09489039A
; Patent No. 6610835
; GENERAL INFORMATION:
; APPLICANT: Gary Breton et. al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA
; TITLE OF INVENTION: PNEUMONIAE FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 2709.2004001
; CURRENT APPLICATION NUMBER: US/09/489,039A
; PRIOR FILING DATE: 2000-01-27
; PRIOR APPLICATION NUMBER: US 60/117,747
; PRIOR FILING DATE: 1999-01-29
; NUMBER OF SEQ ID NOS: 14342
; SEQ ID NO 1711
; LENGTH: 381
; TYPE: DNA
; ORGANISM: Klebsiella pneumoniae
US-09-489-039A-1711

Query Match 77.9% Score 14.8; DB 3; Length 381;
Best Local Similarity 88.9% Pred. No. 6.6e+02;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GCGCAGCAGAAACGTCAG 18
|||
Db 52 GCGCAGCAGAAACGTCAG 35

RESULT 50

US-09-252-991A-10
; Sequence 10, Application US/09252991A

; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; PRIOR FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 10
; LENGTH: 462
; TYPE: DNA
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-10

Query Match 77.9% Score 14.8; DB 3; Length 462;
Best Local Similarity 88.9% Pred. No. 6.8e+02;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 2 GCGCAGCAGAAACGTCAGC 19
|||
Db 49 GCGCAGCAGAAACGTCAGC 66

Search completed: January 11, 2006, 21:35:28
Job time : 133.153 secs

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Title: US-10-086-206A-5
Perfect score: 19
Sequence: 1 gcgcagcagaacgcagc 19

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 9793542 seqs, 4134689005 residues

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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2	17.4	91.6	684	US-10-282-122A-28205	Sequence 28205, A
3	17.4	91.6	690	US-10-282-122A-26406	Sequence 26406, A
4	17.4	91.6	86114	US-10-080-170-648	Sequence 648, App
5	17.4	91.6	86114	US-10-080-170-648	Sequence 648, App
6	17.4	91.6	86114	US-10-468-356-648	Sequence 648, App
7	17	89.5	3013	US-11-097-143-4295	Sequence 4295, App
8	17	89.5	5239	US-11-097-143-4294	Sequence 4294, App
9	16	84.2	356	US-10-487-901-5495	Sequence 5495, App
10	16	84.2	727	US-10-437-963-77644	Sequence 77644, A
11	16	84.2	2043	US-10-029-180-27	Sequence 27, Appl
12	16	84.2	2043	US-10-952-045-27	Sequence 27, Appl
13	16	84.2	2381	US-11-097-143-23369	Sequence 23369, A
14	16	84.2	4724	US-11-097-143-23368	Sequence 23368, A
15	15.8	83.2	452	US-09-918-995-28732	Sequence 28732, A
16	15.8	83.2	511	US-09-884-441-68	Sequence 68, Appl
17	15.8	83.2	511	US-09-907-969-68	Sequence 68, Appl
18	15.8	83.2	511	US-09-827-271-68	Sequence 68, Appl
19	15.8	83.2	511	US-10-198-053-68	Sequence 68, Appl
20	15.8	83.2	511	US-10-860-790-68	Sequence 68, Appl
21	15.8	83.2	530	US-09-899-046-157	Sequence 157, App
22	15.8	83.2	530	US-09-878-281-157	Sequence 157, App
23	15.8	83.2	530	US-09-873-224-157	Sequence 157, App

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C 26	15.8	83.2	1023	7	US-10-282-122A-28652	Sequence 28652, A
C 27	15.8	83.2	1148	7	US-10-424-599-96209	Sequence 96209, A
C 28	15.8	83.2	1638	8	US-10-450-763-26070	Sequence 26070, A
C 29	15.8	83.2	1720	8	US-10-788-792-101	Sequence 101, App
C 30	15.8	83.2	1901	3	US-10-450-763-18273	Sequence 18273, A
C 31	15.8	83.2	1917	3	US-09-974-300-2294	Sequence 2294, App
C 32	15.8	83.2	1943	6	US-10-264-237-541	Sequence 541, App
C 33	15.8	83.2	1944	3	US-09-925-300-529	Sequence 529, App
C 34	15.8	83.2	1948	6	US-10-264-049-177	Sequence 177, App
C 35	15.8	83.2	2058	7	US-10-363-616-227	Sequence 227, App
C 36	15.8	83.2	2150	9	US-10-450-763-12625	Sequence 12625, A
C 37	15.8	83.2	2732	8	US-10-788-792-113	Sequence 113, App
C 38	15.8	83.2	2759	10	US-11-097-143-12104	Sequence 12104, A
C 39	15.8	83.2	2879	6	US-10-108-260A-2180	Sequence 2180, App
C 40	15.8	83.2	4428	10	US-11-097-143-41144	Sequence 41144, A
C 41	15.8	83.2	4549	5	US-10-037-270-266	Sequence 266, App
C 42	15.8	83.2	4549	6	US-10-117-722-266	Sequence 266, App
C 43	15.8	83.2	4549	9	US-10-122-851-266	Sequence 267, App
C 44	15.8	83.2	4942	5	US-10-037-270-267	Sequence 267, App
C 45	15.8	83.2	4942	6	US-10-117-722-267	Sequence 267, App
C 46	15.8	83.2	4942	9	US-10-122-851-267	Sequence 267, App
C 47	15.8	83.2	5669	7	US-10-182-006-3	Sequence 3, Appl1
C 48	15.8	83.2	6320	10	US-11-097-143-12103	Sequence 12103, A
C 49	15.8	83.2	6327	7	US-10-114-270-175	Sequence 175, App
C 50	15.8	83.2	6327	3	US-09-858-194-3	Sequence 3, Appl1
C 51	15.8	83.2	6432	6	US-10-154-419-3	Sequence 3, Appl1
C 52	15.8	83.2	6522	7	US-10-182-006-1	Sequence 1, Appl1
C 53	15.8	83.2	6588	8	US-10-775-920-4	Sequence 1, Appl1
C 54	15.8	83.2	6704	8	US-10-775-920-1	Sequence 1, Appl1
C 55	15.8	83.2	6704	8	US-10-775-920-3	Sequence 3, Appl1
C 56	15.8	83.2	6768	6	US-09-858-194-1	Sequence 1, Appl1
C 57	15.8	83.2	6768	6	US-10-154-419-1	Sequence 1, Appl1
C 58	15.8	83.2	6791	7	US-10-332-447-59	Sequence 59, Appl1
C 59	15.8	83.2	6804	3	US-09-955-542-4	Sequence 4, Appl1
C 60	15.8	83.2	7795	3	US-09-983-446A-8	Sequence 8, Appl1
C 61	15.8	83.2	12495	10	US-11-097-143-41143	Sequence 41143, A
C 62	15.8	83.2	24708	6	US-09-924-101-7	Sequence 7, Appl1
C 63	15.8	83.2	42611	6	US-10-161-127-2	Sequence 2, Appl1
C 64	15.8	83.2	43436	7	US-10-741-601-5638	Sequence 5638, App
C 65	15.8	83.2	684707	7	US-10-398-221-2058	Sequence 9, Appl1
C 66	15.8	83.2	3011208	7	US-10-027-632-232198	Sequence 2058, App
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C 68	15.4	81.1	513	5	US-10-027-632-232198	Sequence 232198, A
C 69	15.4	81.1	513	6	US-10-027-632-232199	Sequence 232199, A
C 70	15.4	81.1	551	4	US-09-925-065A-828209	Sequence 828209, A
C 71	15.4	81.1	602	4	US-09-925-065A-943610	Sequence 943610, A
C 72	15.4	81.1	602	4	US-09-925-065A-956705	Sequence 956705, A
C 73	15.4	81.1	607	4	US-09-925-065A-956705	Sequence 956705, A
C 74	15.4	81.1	607	4	US-09-925-065A-956286	Sequence 956286, A
C 75	15.4	81.1	607	4	US-09-925-065A-816502	Sequence 816502, A
C 76	15.4	81.1	612	4	US-09-925-065A-828209	Sequence 828209, A
C 77	15.4	81.1	613	4	US-09-925-065A-72092	Sequence 72092, A
C 78	15.4	81.1	645	4	US-09-925-065A-73136	Sequence 73136, A
C 79	15.4	81.1	688	4	US-09-925-065A-73137	Sequence 73137, A
C 80	15.4	81.1	688	4	US-11-097-143-11237	Sequence 11237, A
C 81	15.4	81.1	765	10	US-10-450-763-17063	Sequence 17063, A
C 82	15.4	81.1	1983	9	US-10-450-763-19818	Sequence 19818, A
C 83	15.4	81.1	2210	9	US-10-282-122A-14555	Sequence 14555, A
C 84	15.4	81.1	2242	7	US-10-437-963-40886	Sequence 40886, A
C 85	15.4	81.1	2757	7	US-10-437-963-40886	Sequence 40886, A
C 86	15.4	81.1	2925	10	US-11-097-143-11236	Sequence 11236, A
C 87	15.4	81.1	3609	7	US-10-437-963-36462	Sequence 36462, A
C 88	15.4	81.1	4176	7	US-10-437-963-36467	Sequence 36467, A
C 89	15.4	81.1	4383	7	US-10-437-963-36461	Sequence 36461, A
C 90	15.4	81.1	4866	7	US-10-260-238-1492	Sequence 1492, App
C 91	15.4	81.1	5241	7	US-10-437-963-36468	Sequence 36468, A
C 92	15.4	81.1	5467	7	US-10-235-192A-28	Sequence 28, Appl1
C 93	15.4	81.1	217682	8	US-10-699-156-3	Sequence 3, Appl1
C 94	15.4	81.1	567564	8	US-10-925-065A-228151	Sequence 228151, A
C 95	15	78.9	563	4	US-10-972-079-41591	Sequence 41591, A
C 96	15	78.9	599	9	US-10-972-079-41591	Sequence 41591, A

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99	15	78.9	733	6	US-10-027-632-21042	Sequence 21042, A	172	14.8	77.9	2825	10	US-11-097-143-36025	Sequence 36025, A
100	15	78.9	733	6	US-10-027-632-21043	Sequence 21043, A	173	14.8	77.9	3007	7	US-10-437-963-43565	Sequence 43565, A
C 101	15	78.9	1206	3	US-10-424-599-59214	Sequence 59214, A	174	14.8	77.9	3050	10	US-11-097-143-30046	Sequence 30046, A
C 102	15	78.9	2064	3	US-09-965-602-11	Sequence 11, Appl	175	14.8	77.9	4194	6	US-10-723-860-5360	Sequence 5360, Ap
C 103	15	78.9	495269	7	US-10-398-221-8	Sequence 8, Appl	176	14.8	77.9	4671	6	US-10-369-493-24230	Sequence 24230, A
C 104	15	78.9	3011208	7	US-10-398-221-2058	Sequence 2058, Ap	177	14.8	77.9	5070	10	US-11-097-143-25469	Sequence 25469, A
C 105	14.8	77.9	25	10	US-11-036-317-433291	Sequence 433291, A	C 178	14.8	77.9	5121	7	US-10-322-696-38	Sequence 32, Appl
C 106	14.8	77.9	25	10	US-11-036-317-620070	Sequence 620070, A	C 179	14.8	77.9	5155	3	US-09-835-9768-13	Sequence 13, Appl
C 107	14.8	77.9	100	8	US-10-644-594-279	Sequence 279, App	180	14.8	77.9	5504	10	US-11-097-143-27592	Sequence 27592, A
C 108	14.8	77.9	162	7	US-10-424-599-102676	Sequence 102676, A	181	14.8	77.9	5569	3	US-10-450-763-8364	Sequence 8364, Ap
C 109	14.8	77.9	162	7	US-10-424-599-1795	Sequence 1795, Ap	182	14.8	77.9	6348	3	US-09-919-039-366	Sequence 366, App
C 110	14.8	77.9	237	9	US-10-508-622-59	Sequence 59, Appl	183	14.8	77.9	6361	5	US-10-161-803-61	Sequence 61, Appl
C 111	14.8	77.9	245	7	US-10-424-599-90660	Sequence 90660, A	184	14.8	77.9	6371	3	US-09-457-571-13	Sequence 13, Appl
C 112	14.8	77.9	352	3	US-09-974-300-1997	Sequence 1997, Ap	185	14.8	77.9	6371	8	US-10-474-778-1	Sequence 1, Appl
C 113	14.8	77.9	393	7	US-10-779-543-9162	Sequence 9162, Ap	186	14.8	77.9	6371	8	US-10-768-798-13	Sequence 14, Appl
C 114	14.8	77.9	467	7	US-10-424-599-72294	Sequence 72294, A	187	14.8	77.9	6404	3	US-09-457-571-14	Sequence 14, Appl
C 115	14.8	77.9	516	3	US-09-814-353-21212	Sequence 21212, A	188	14.8	77.9	6404	3	US-09-457-571-9	Sequence 9, Appl
C 116	14.8	77.9	522	8	US-10-425-115-58979	Sequence 58979, A	189	14.8	77.9	6452	3	US-10-768-798-9	Sequence 9, Appl
C 117	14.8	77.9	551	8	US-10-450-763-24655	Sequence 24655, A	C 190	14.8	77.9	6501	6	US-10-310-154-336	Sequence 336, App
C 118	14.8	77.9	560	4	US-09-925-065A-216346	Sequence 216346, A	C 191	14.8	77.9	6501	9	US-10-732-923-283	Sequence 283, App
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C 120	14.8	77.9	593	5	US-10-027-632-256116	Sequence 256116, A	193	14.8	77.9	6968	10	US-11-097-143-40165	Sequence 20695, A
C 121	14.8	77.9	593	6	US-10-027-632-256116	Sequence 256116, A	194	14.8	77.9	7214	10	US-11-097-143-20695	Sequence 42212, A
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C 123	14.8	77.9	611	5	US-10-027-632-115074	Sequence 115074, A	196	14.8	77.9	7335	10	US-11-097-143-25468	Sequence 36, Appl
C 124	14.8	77.9	611	5	US-10-027-632-115075	Sequence 115075, A	C 197	14.8	77.9	15620	3	US-09-928-457-16	Sequence 36, Appl
C 125	14.8	77.9	611	6	US-10-027-632-115075	Sequence 115075, A	198	14.8	77.9	19058	10	US-11-097-143-42211	Sequence 42211, A
C 126	14.8	77.9	611	6	US-10-027-632-115075	Sequence 115075, A	C 199	14.8	77.9	21779	10	US-10-672-396-9	Sequence 9, Appl
C 127	14.8	77.9	611	6	US-10-027-632-115075	Sequence 115075, A	200	14.8	77.9	21779	10	US-11-097-143-40165	Sequence 1156, Ap
C 128	14.8	77.9	642	7	US-09-925-065A-881373	Sequence 881373, A	201	14.8	77.9	22197	5	US-10-087-192-1156	Sequence 19, Appl
C 129	14.8	77.9	667	9	US-10-767-701-4532	Sequence 4532, Ap	C 202	14.8	77.9	49914	9	US-10-915-740A-19	Sequence 37, Appl
C 130	14.8	77.9	681	7	US-10-487-901-3338	Sequence 3238, Ap	C 203	14.8	77.9	73038	7	US-10-322-696-17	Sequence 2398, Ap
C 131	14.8	77.9	699	10	US-11-097-143-30047	Sequence 30047, A	204	14.8	77.9	76574	10	US-11-097-143-2398	Sequence 124, App
C 132	14.8	77.9	741	5	US-10-027-632-22320	Sequence 22320, A	C 205	14.8	77.9	78313	7	US-10-052-482-124	Sequence 124, App
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C 134	14.8	77.9	815	8	US-10-425-115-4375	Sequence 4375, A	C 207	14.8	77.9	175189	8	US-10-741-600-17738	Sequence 17738, A
C 135	14.8	77.9	825	10	US-11-097-143-36026	Sequence 36026, A	208	14.8	77.9	235033	5	US-10-301-844-1	Sequence 1, Appl
C 136	14.8	77.9	848	8	US-10-425-115-72164	Sequence 72164, A	209	14.8	77.9	237326	5	US-10-301-844-2	Sequence 2, Appl
C 137	14.8	77.9	936	7	US-10-437-965-76502	Sequence 76502, A	210	14.8	77.9	2242716	9	US-10-915-740A-1068	Sequence 1068, Ap
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C 139	14.8	77.9	1203	3	US-09-741-669-217	Sequence 217, App	212	14.8	77.9	3309400	6	US-09-738-826-1	Sequence 1, Appl
C 140	14.8	77.9	1203	7	US-10-282-122A-4466	Sequence 6466, Ap	213	14.8	77.9	9025608	6	US-10-156-761-1	Sequence 1, Appl
C 141	14.8	77.9	1211	7	US-10-767-701-13783	Sequence 13783, A	214	14.4	75.8	25	7	US-10-719-956-445280	Sequence 64599, A
C 142	14.8	77.9	1281	7	US-10-437-963-43598	Sequence 43598, A	C 215	14.4	75.8	25	7	US-10-719-956-445280	Sequence 64599, A
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C 144	14.8	77.9	1425	6	US-10-156-761-3628	Sequence 5628, Ap	C 217	14.4	75.8	30	3	US-09-865-111-9	Sequence 28, Appl
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C 147	14.8	77.9	1528	8	US-10-494-836-37	Sequence 37, Appl	C 220	14.4	75.8	232	8	US-10-425-115-69932	Sequence 89393, A
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C 159	14.8	77.9	1752	10	US-10-450-763-24471	Sequence 24471, A	C 232	14.4	75.8	414	7	US-10-282-122A-19117	Sequence 19117, A
C 160	14.8	77.9	1762	8	US-10-425-115-68054	Sequence 68054, A	233	14.4	75.8	423	8	US-10-357-930-4623	Sequence 4623, Ap
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C 163	14.8	77.9	1776	3	US-09-943-446-4	Sequence 4, Appl	236	14.4	75.8	449	3	US-09-897-778-20	Sequence 20, Appl
C 164	14.8	77.9	1776	3	US-09-943-446-5	Sequence 5, Appl	237	14.4	75.8	449	3	US-09-466-336A-20	Sequence 20, Appl
C 165	14.8	77.9	1785	7	US-10-282-122A-19591	Sequence 19591, A	238	14.4	75.8	449	6	US-10-007-700-20	Sequence 20, Appl
C 166	14.8	77.9	2051	6	US-10-267-730-3	Sequence 3, Appl	239	14.4	75.8	449	6	US-10-117-982-20	Sequence 20, Appl
C 167	14.8	77.9	2065	7	US-10-152-318A-1741	Sequence 1741, Ap	240	14.4	75.8	449	6	US-10-313-986-20	Sequence 20, Appl
C 168	14.8	77.9	2445	8	US-10-739-930-2242	Sequence 2242, Ap	241	14.4	75.8	449	8	US-10-775-972-20	Sequence 20, Appl
C 169	14.8	77.9	2502	7	US-10-282-122A-29589	Sequence 29589, A	242	14.4	75.8	449	9	US-10-922-124-20	Sequence 20, Appl

243	14.4	75.8	450	7	US-10-398-221-342	Sequence 342, App	c 316	14.4	75.8	1166	7	US-10-767-701-10911	Sequence 10911, A
C 244	14.4	75.8	458	9	US-10-972-079-43085	Sequence 43085, A	317	14.4	75.8	1168	8	US-10-425-115-144221	Sequence 144221, A
C 245	14.4	75.8	462	9	US-10-972-079-43084	Sequence 43084, A	318	14.4	75.8	1169	4	US-09-925-065A-35394	Sequence 35394, A
246	14.4	75.8	469	7	US-10-242-535A-31398	Sequence 31398, A	319	14.4	75.8	1194	4	US-09-925-065A-35395	Sequence 35395, A
247	14.4	75.8	469	7	US-10-085-783A-31398	Sequence 31398, A	320	14.4	75.8	1194	4	US-09-925-065A-90273	Sequence 90273, A
248	14.4	75.8	471	3	US-09-895-828-358	Sequence 358, App	c 321	14.4	75.8	1242	8	US-10-425-115-6110	Sequence 6110, App
249	14.4	75.8	471	5	US-10-114-666-358	Sequence 358, App	322	14.4	75.8	1280	3	US-09-878-328A-C	Sequence 3, App11
250	14.4	75.8	476	3	US-09-864-761-5929	Sequence 5929, App	323	14.4	75.8	1280	3	US-09-870-216C-1	Sequence 1, App11
251	14.4	75.8	488	3	US-09-220-920-73	Sequence 73, App1	324	14.4	75.8	1280	5	US-10-017-327-1	Sequence 1, App11
C 252	14.4	75.8	488	3	US-09-220-920-73	Sequence 74, App1	325	14.4	75.8	1280	9	US-10-887-653A-601	Sequence 601, App
C 253	14.4	75.8	491	7	US-10-767-701-3406	Sequence 3406, App	326	14.4	75.8	1280	9	US-10-956-157-1110	Sequence 1110, App
C 254	14.4	75.8	542	3	US-09-814-353-15325	Sequence 15325, A	327	14.4	75.8	1280	9	US-10-956-157-6345	Sequence 6345, App
C 255	14.4	75.8	571	3	US-10-739-565-5	Sequence 5, App11	C 328	14.4	75.8	1313	6	US-10-369-493-32146	Sequence 33146, A
C 256	14.4	75.8	571	9	US-09-839-092-40	Sequence 40, App1	C 329	14.4	75.8	1337	3	US-09-925-100-413	Sequence 413, App
257	14.4	75.8	574	3	US-09-969-034-1482	Sequence 1482, App	C 330	14.4	75.8	1357	7	US-10-425-114-16339	Sequence 16339, A
C 258	14.4	75.8	583	4	US-09-925-065A-410851	Sequence 30922, A	C 331	14.4	75.8	1381	7	US-10-425-114-27711	Sequence 27711, A
C 259	14.4	75.8	583	4	US-09-925-065A-410851	Sequence 410851, A	C 332	14.4	75.8	1437	6	US-10-235-220-9	Sequence 9, App11
260	14.4	75.8	589	4	US-09-925-065A-942749	Sequence 942749, A	C 333	14.4	75.8	1441	6	US-10-425-114-19613	Sequence 19613, A
261	14.4	75.8	594	3	US-09-731-872-123	Sequence 123, App	C 334	14.4	75.8	1466	6	US-10-369-493-29308	Sequence 29308, A
262	14.4	75.8	594	3	US-09-876-997-123	Sequence 123, App	C 335	14.4	75.8	1505	8	US-10-425-115-181251	Sequence 181251, A
263	14.4	75.8	594	9	US-10-643-836-123	Sequence 123, App	C 336	14.4	75.8	1509	9	US-10-840-060-120	Sequence 120, App
C 264	14.4	75.8	600	7	US-10-437-963-68383	Sequence 68383, A	337	14.4	75.8	1509	10	US-11-097-143-3335	Sequence 3335, App
C 265	14.4	75.8	600	9	US-10-972-079-30920	Sequence 30920, A	C 338	14.4	75.8	1547	7	US-10-315-379-3	Sequence 3, App11
C 266	14.4	75.8	600	9	US-10-972-079-30921	Sequence 30921, A	C 339	14.4	75.8	1678	8	US-10-425-115-14757	Sequence 14757, A
C 267	14.4	75.8	600	9	US-10-972-079-33083	Sequence 43083, A	C 340	14.4	75.8	1701	7	US-10-424-599-78903	Sequence 78903, A
268	14.4	75.8	603	4	US-09-925-065A-923516	Sequence 923516, A	C 341	14.4	75.8	1706	6	US-10-369-493-42443	Sequence 42443, A
269	14.4	75.8	603	4	US-09-925-065A-923517	Sequence 923517, A	C 342	14.4	75.8	1713	7	US-10-437-963-42006	Sequence 42006, A
270	14.4	75.8	604	3	US-09-736-457-258	Sequence 258, App	C 343	14.4	75.8	1820	7	US-10-437-963-32378	Sequence 32378, A
271	14.4	75.8	604	3	US-09-902-941-358	Sequence 258, App	C 344	14.4	75.8	1908	6	US-10-369-493-33615	Sequence 33615, A
272	14.4	75.8	604	3	US-09-849-626-258	Sequence 258, App	C 345	14.4	75.8	1965	7	US-10-424-599-39416	Sequence 39416, A
273	14.4	75.8	604	3	US-09-476-300-258	Sequence 258, App	C 346	14.4	75.8	2142	3	US-09-801-368-407	Sequence 407, App
274	14.4	75.8	604	5	US-10-017-754-258	Sequence 258, App	C 347	14.4	75.8	2142	8	US-10-793-639-331	Sequence 331, App
275	14.4	75.8	604	6	US-10-113-872-258	Sequence 258, App	C 348	14.4	75.8	2148	5	US-10-027-632-256423	Sequence 256423, A
276	14.4	75.8	604	6	US-10-283-017-258	Sequence 258, App	C 349	14.4	75.8	2148	5	US-10-027-632-256423	Sequence 256423, A
277	14.4	75.8	608	3	US-09-969-034-2836	Sequence 2836, App	C 350	14.4	75.8	2148	6	US-10-027-632-256423	Sequence 256423, A
278	14.4	75.8	613	7	US-10-424-599-78905	Sequence 78905, A	C 351	14.4	75.8	2148	6	US-10-027-632-256424	Sequence 256424, A
279	14.4	75.8	627	4	US-09-925-065A-731814	Sequence 731814, A	C 352	14.4	75.8	2274	10	US-11-097-143-325622	Sequence 325622, A
280	14.4	75.8	627	4	US-09-925-065A-731815	Sequence 731815, A	C 353	14.4	75.8	2275	5	US-10-007-693-154	Sequence 154, App
281	14.4	75.8	627	4	US-09-925-065A-811331	Sequence 811331, A	C 354	14.4	75.8	2275	9	US-10-197-220-154	Sequence 154, App
282	14.4	75.8	627	5	US-10-027-632-282728	Sequence 282728, A	C 355	14.4	75.8	2275	10	US-11-109-468-154	Sequence 154, App
283	14.4	75.8	627	6	US-10-027-632-282728	Sequence 282728, A	C 356	14.4	75.8	2285	3	US-09-814-353-70501	Sequence 70501, A
284	14.4	75.8	636	8	US-10-425-115-33761	Sequence 33761, A	C 357	14.4	75.8	2310	8	US-10-739-930-676	Sequence 676, App
C 285	14.4	75.8	645	8	US-10-425-115-119813	Sequence 119813, A	C 358	14.4	75.8	2468	8	US-10-425-115-181256	Sequence 181256, A
C 286	14.4	75.8	646	4	US-09-925-065A-710025	Sequence 710025, A	C 359	14.4	75.8	2466	7	US-10-425-114-34953	Sequence 34953, A
C 287	14.4	75.8	646	4	US-09-925-065A-710026	Sequence 710026, A	C 360	14.4	75.8	2528	3	US-09-865-171-37	Sequence 37, App1
288	14.4	75.8	719	4	US-09-925-065A-5473	Sequence 5473, App	C 361	14.4	75.8	2528	3	US-09-865-171-41	Sequence 41, App1
289	14.4	75.8	723	4	US-09-925-065A-5474	Sequence 5474, App	C 362	14.4	75.8	2571	5	US-10-041-007-13	Sequence 13, App1
290	14.4	75.8	723	4	US-09-925-065A-919372	Sequence 919372, A	C 363	14.4	75.8	2571	3	US-09-865-171-12	Sequence 12, App1
C 291	14.4	75.8	726	3	US-09-938-842A-890	Sequence 890, App	C 364	14.4	75.8	2572	8	US-10-425-115-25464	Sequence 25464, A
C 292	14.4	75.8	726	3	US-09-938-842A-890	Sequence 890, App	C 365	14.4	75.8	2584	10	US-11-097-143-35242	Sequence 35242, A
293	14.4	75.8	759	5	US-10-027-632-170736	Sequence 170736, A	C 366	14.4	75.8	2634	6	US-10-108-260A-421	Sequence 421, App
294	14.4	75.8	759	6	US-10-027-632-170736	Sequence 170736, A	C 367	14.4	75.8	2728	7	US-10-302-172-620	Sequence 620, App
295	14.4	75.8	812	5	US-10-027-632-152162	Sequence 152162, A	C 368	14.4	75.8	2810	9	US-10-498-788-44	Sequence 44, App1
296	14.4	75.8	812	6	US-10-027-632-152162	Sequence 152162, A	C 369	14.4	75.8	2810	7	US-10-437-963-76828	Sequence 76828, A
297	14.4	75.8	815	8	US-10-653-047-1115	Sequence 1115, App	C 370	14.4	75.8	2966	4	US-09-925-065A-70463	Sequence 70463, A
C 298	14.4	75.8	880	5	US-10-027-632-171225	Sequence 171225, A	C 371	14.4	75.8	2968	10	US-11-097-143-12644	Sequence 12644, A
C 299	14.4	75.8	880	5	US-10-027-632-171226	Sequence 171226, A	C 372	14.4	75.8	2995	10	US-11-097-143-20660	Sequence 20660, A
C 300	14.4	75.8	880	5	US-10-027-632-171227	Sequence 171227, A	C 373	14.4	75.8	3078	7	US-10-437-963-40003	Sequence 40003, A
C 301	14.4	75.8	880	5	US-10-027-632-171228	Sequence 171228, A	C 374	14.4	75.8	3695	10	US-11-097-143-3334	Sequence 3334, App
C 302	14.4	75.8	880	6	US-10-027-632-171225	Sequence 171225, A	C 375	14.4	75.8	4116	7	US-10-437-963-68882	Sequence 68882, A
C 303	14.4	75.8	880	6	US-10-027-632-171226	Sequence 171226, A	C 376	14.4	75.8	4252	10	US-11-097-143-18100	Sequence 18100, A
C 304	14.4	75.8	880	6	US-10-027-632-171227	Sequence 171227, A	C 377	14.4	75.8	4274	9	US-11-097-143-22861	Sequence 22861, A
C 305	14.4	75.8	880	6	US-10-027-632-171228	Sequence 171228, A	C 378	14.4	75.8	4473	10	US-10-645-335-1	Sequence 1, App11
C 306	14.4	75.8	916	7	US-10-425-114-34048	Sequence 34048, A	C 379	14.4	75.8	4517	6	US-10-093-463-153	Sequence 153, App
C 307	14.4	75.8	948	8	US-10-425-115-5112	Sequence 6112, App	C 380	14.4	75.8	4925	5	US-10-485-986-40	Sequence 40, App1
C 308	14.4	75.8	1014	7	US-10-425-114-14145	Sequence 14145, A	C 381	14.4	75.8	4988	6	US-10-288-798-48	Sequence 48, App1
C 309	14.4	75.8	1039	7	US-10-767-701-10020	Sequence 10020, A	C 382	14.4	75.8	4988	7	US-10-362-892-48	Sequence 48, App1
C 310	14.4	75.8	1050	7	US-10-451-686-31	Sequence 1, App11	C 383	14.4	75.8	4995	10	US-11-097-143-20659	Sequence 20659, A
311	14.4	75.8	1056	7	US-10-425-114-21446	Sequence 21446, A	C 384	14.4	75.8	5940	3	US-09-987-722-293	Sequence 293, App
312	14.4	75.8	1111	7	US-10-767-701-1939	Sequence 1939, App	C 385	14.4	75.8	5940	3	US-10-956-157-2341	Sequence 2341, App
C 313	14.4	75.8	1120	7	US-10-437-963-94548	Sequence 94548, A	C 386	14.4	75.8	5955	10	US-11-097-143-13364	Sequence 13364, A
C 314	14.4	75.8	1140	7	US-10-425-114-17900	Sequence 17900, A	C 387	14.4	75.8	6224	6	US-10-120-988-91	Sequence 91, App1
315	14.4	75.8	1144	7	US-10-302-172-278	Sequence 278, App	C 388	14.4	75.8	6580	10	US-11-097-143-23500	Sequence 23500, A

389	14.4	75.8	7053	3	US-09-070-927A-78	Sequence 78, Appl	C 462	14.2	74.7	516	6	US-10-156-761-16	Sequence 16, Appl
390	14.4	75.8	7701	7	US-10-437-963-38245	Sequence 38245, A	463	14.2	74.7	519	8	US-10-425-115-11330	Sequence 11330, A
C 391	14.4	75.8	8942	10	US-11-097-143-13963	Sequence 13963, A	C 464	14.2	74.7	519	8	US-10-972-079-80705	Sequence 80705, A
C 392	14.4	75.8	13152	6	US-10-062-674-1811	Sequence 1811, Ap	C 465	14.2	74.7	530	8	US-10-425-115-151239	Sequence 151239, A
C 393	14.4	75.8	13655	10	US-11-097-143-12663	Sequence 12643, A	C 466	14.2	74.7	531	3	US-09-884-441-94	Sequence 94, Appl
C 394	14.4	75.8	14040	3	US-09-764-881-5478	Sequence 5478, Ap	C 467	14.2	74.7	531	3	US-09-907-969-94	Sequence 94, Appl
C 395	14.4	75.8	14040	3	US-09-764-891-10205	Sequence 10205, A	C 468	14.2	74.7	531	3	US-09-827-271-94	Sequence 94, Appl
C 396	14.4	75.8	14040	5	US-10-205-428-1004	Sequence 1004, Ap	C 469	14.2	74.7	531	6	US-10-158-053-94	Sequence 94, Appl
397	14.4	75.8	16000	3	US-10-303-325-4	Sequence 4, Appl1	C 470	14.2	74.7	534	8	US-10-860-790-94	Sequence 86, Appl
398	14.4	75.8	24080	3	US-09-997-722-79	Sequence 79, Appl1	C 471	14.2	74.7	537	7	US-09-925-065A-856735	Sequence 856735, A
C 399	14.4	75.8	38269	6	US-10-085-117-325	Sequence 325, App	C 472	14.2	74.7	540	7	US-10-021-323-1744	Sequence 1744, Ap
C 400	14.4	75.8	36587	3	US-09-997-722-250	Sequence 250, App	C 473	14.2	74.7	544	4	US-09-925-065A-197655	Sequence 197655, A
C 401	14.4	75.8	96588	3	US-09-997-722-292	Sequence 292, App	C 474	14.2	74.7	544	4	US-09-925-065A-197657	Sequence 197657, A
C 402	14.4	75.8	96597	3	US-09-997-722-289	Sequence 289, App	C 475	14.2	74.7	544	4	US-09-925-065A-197658	Sequence 197658, A
C 403	14.4	75.8	114633	5	US-10-087-192-727	Sequence 727, App	C 476	14.2	74.7	547	4	US-09-925-065A-820887	Sequence 820887, A
C 404	14.4	75.8	289730	8	US-10-719-993-6780	Sequence 6780, Ap	C 477	14.2	74.7	552	8	US-10-425-115-14633	Sequence 14633, A
C 405	14.4	75.8	350764	5	US-10-087-192-1864	Sequence 1864, Ap	C 478	14.2	74.7	554	7	US-10-021-323-2901	Sequence 2901, Ap
C 406	14.4	75.8	684707	7	US-10-398-221-9	Sequence 9, Appl1	C 479	14.2	74.7	561	4	US-09-925-065A-255176	Sequence 255176, A
C 407	14.4	75.8	2731748	7	US-10-297-465A-1	Sequence 1, Appl1	C 480	14.2	74.7	562	6	US-10-264-237-1032	Sequence 1032, Ap
C 408	14.2	74.7	25	8	US-10-719-900-142346	Sequence 142326, A	C 481	14.2	74.7	567	4	US-09-925-065A-155692	Sequence 155692, A
C 409	14.2	74.7	25	8	US-10-719-900-516755	Sequence 516755, A	C 482	14.2	74.7	567	8	US-10-425-115-178032	Sequence 178032, A
C 410	14.2	74.7	25	9	US-10-719-900-804558	Sequence 804558, A	C 483	14.2	74.7	569	7	US-10-437-963-12558	Sequence 12558, A
C 411	14.2	74.7	25	9	US-10-956-157-177783	Sequence 177783, A	C 484	14.2	74.7	583	9	US-10-972-079-80704	Sequence 80704, A
C 412	14.2	74.7	25	10	US-11-036-317-1709350	Sequence 709350, A	C 485	14.2	74.7	584	4	US-09-925-065A-41045	Sequence 41045, A
C 413	14.2	74.7	25	10	US-11-036-317-827904	Sequence 827904, A	C 486	14.2	74.7	584	7	US-10-424-599-105452	Sequence 105452, A
C 414	14.2	74.7	25	10	US-11-036-317-872904	Sequence 872248, A	C 487	14.2	74.7	586	7	US-10-021-323-3335	Sequence 3335, Ap
C 415	14.2	74.7	25	10	US-11-036-317-872817	Sequence 887817, A	C 488	14.2	74.7	596	8	US-10-425-115-157662	Sequence 157662, A
C 416	14.2	74.7	25	10	US-11-036-317-898509	Sequence 898509, A	C 489	14.2	74.7	596	8	US-10-437-963-44879	Sequence 44879, A
C 417	14.2	74.7	25	10	US-11-036-317-898509	Sequence 915396, A	C 490	14.2	74.7	599	9	US-10-972-079-80702	Sequence 80702, A
C 418	14.2	74.7	138	10	US-09-244-694-119	Sequence 129, App	C 491	14.2	74.7	600	9	US-10-972-079-19587	Sequence 19587, A
C 419	14.2	74.7	222	7	US-10-767-701-30426	Sequence 30426, A	C 492	14.2	74.7	600	9	US-10-972-079-27251	Sequence 27251, A
C 420	14.2	74.7	226	7	US-10-437-963-57435	Sequence 57435, A	C 493	14.2	74.7	600	9	US-10-972-079-57741	Sequence 57741, A
C 421	14.2	74.7	233	8	US-10-425-115-100822	Sequence 100822, A	C 494	14.2	74.7	600	9	US-10-972-079-57742	Sequence 57742, A
C 422	14.2	74.7	245	3	US-09-922-217-576	Sequence 576, App	C 495	14.2	74.7	600	9	US-10-972-079-77642	Sequence 77642, A
C 423	14.2	74.7	245	3	US-09-833-263-576	Sequence 576, App	C 496	14.2	74.7	600	9	US-10-972-079-80703	Sequence 80703, A
C 424	14.2	74.7	245	5	US-10-023-380-576	Sequence 576, App	C 497	14.2	74.7	605	4	US-09-925-065A-937573	Sequence 937573, A
C 425	14.2	74.7	250	8	US-10-425-115-88718	Sequence 88718, A	C 498	14.2	74.7	606	8	US-10-357-930-34354	Sequence 34354, A
C 426	14.2	74.7	256	7	US-10-437-963-67207	Sequence 67207, A	C 499	14.2	74.7	610	7	US-10-767-701-11047	Sequence 31047, A
C 427	14.2	74.7	294	3	US-09-244-694-137	Sequence 137, App	C 500	14.2	74.7	612	6	US-10-027-632-266047	Sequence 266047, A
C 428	14.2	74.7	321	3	US-09-835-976B-79	Sequence 79, Appl1	C 501	14.2	74.7	612	5	US-10-027-632-266047	Sequence 266047, A
C 429	14.2	74.7	327	8	US-10-696-639-1331	Sequence 1331, Ap	C 502	14.2	74.7	612	5	US-10-027-632-266047	Sequence 266047, A
C 430	14.2	74.7	349	3	US-09-815-343-69	Sequence 69, Appl	C 503	14.2	74.7	612	6	US-10-027-632-266048	Sequence 266048, A
C 431	14.2	74.7	356	3	US-10-097-105-69	Sequence 69, Appl1	C 504	14.2	74.7	612	6	US-10-027-632-266048	Sequence 266048, A
C 432	14.2	74.7	356	3	US-09-928-457-9	Sequence 9, Appl1	C 505	14.2	74.7	613	8	US-10-425-115-179157	Sequence 179157, A
C 433	14.2	74.7	362	3	US-09-244-694-138	Sequence 138, App	C 506	14.2	74.7	613	8	US-10-027-632-278404	Sequence 278404, A
C 434	14.2	74.7	378	9	US-10-450-763-28565	Sequence 28565, A	C 507	14.2	74.7	614	5	US-10-027-632-278405	Sequence 278405, A
C 435	14.2	74.7	390	8	US-10-425-115-102164	Sequence 102164, A	C 508	14.2	74.7	614	5	US-10-027-632-278405	Sequence 278405, A
C 436	14.2	74.7	405	10	US-11-097-113-13919	Sequence 13919, A	C 509	14.2	74.7	614	6	US-10-027-632-278405	Sequence 278405, A
C 437	14.2	74.7	406	7	US-10-425-115-76899	Sequence 76899, A	C 510	14.2	74.7	614	6	US-10-027-632-278405	Sequence 278405, A
C 438	14.2	74.7	408	7	US-10-437-963-65954	Sequence 65954, A	C 511	14.2	74.7	618	5	US-10-027-632-278403	Sequence 278403, A
C 439	14.2	74.7	408	8	US-10-357-930-58161	Sequence 58161, A	C 512	14.2	74.7	618	6	US-10-027-632-278403	Sequence 278403, A
C 440	14.2	74.7	409	7	US-10-029-020-9	Sequence 9, Appl1	C 513	14.2	74.7	618	6	US-10-450-763-28768	Sequence 28768, A
C 441	14.2	74.7	460	3	US-09-866-050A-428	Sequence 428, App	C 514	14.2	74.7	625	5	US-10-027-632-134440	Sequence 134440, A
C 442	14.2	74.7	460	5	US-10-152-661-428	Sequence 428, App	C 515	14.2	74.7	625	6	US-10-027-632-134440	Sequence 134440, A
C 443	14.2	74.7	467	6	US-10-080-254-52	Sequence 52, Appl	C 516	14.2	74.7	627	8	US-10-425-115-150466	Sequence 150466, A
C 444	14.2	74.7	467	6	US-10-242-355-321	Sequence 321, Appl	C 517	14.2	74.7	627	7	US-10-021-323-1239	Sequence 1239, Ap
C 445	14.2	74.7	477	3	US-09-962-436-341	Sequence 341, App	C 518	14.2	74.7	629	4	US-09-925-065A-109779	Sequence 109779, A
C 446	14.2	74.7	477	3	US-09-954-456-328	Sequence 328, App	C 519	14.2	74.7	629	7	US-10-424-599-117126	Sequence 117126, A
C 447	14.2	74.7	477	3	US-09-954-456-1284	Sequence 1284, Ap	C 520	14.2	74.7	632	7	US-10-767-701-26346	Sequence 26346, A
C 448	14.2	74.7	477	9	US-10-843-641A-2800	Sequence 2800, App	C 521	14.2	74.7	632	4	US-09-925-065A-378541	Sequence 378541, A
C 449	14.2	74.7	477	9	US-10-843-641A-3155	Sequence 3155, Ap	C 522	14.2	74.7	634	3	US-09-968-433-62	Sequence 62, Appl
C 450	14.2	74.7	477	9	US-10-843-641A-4271	Sequence 4271, Ap	C 523	14.2	74.7	640	4	US-09-925-065A-820591	Sequence 820591, A
C 451	14.2	74.7	487	7	US-10-424-599-643	Sequence 643, App	C 524	14.2	74.7	645	7	US-10-424-599-117126	Sequence 117126, A
C 452	14.2	74.7	488	4	US-09-925-065A-223056	Sequence 223056, A	C 525	14.2	74.7	648	6	US-10-259-194A-626	Sequence 626, App
C 453	14.2	74.7	498	10	US-11-097-143-23504	Sequence 23504, A	C 526	14.2	74.7	648	7	US-10-260-238-5543	Sequence 5543, Ap
C 454	14.2	74.7	500	3	US-09-867-701-2973	Sequence 2973, Ap	C 527	14.2	74.7	656	5	US-10-027-632-174780	Sequence 174780, A
C 455	14.2	74.7	501	3	US-09-866-050A-37	Sequence 37, Appl	C 528	14.2	74.7	656	6	US-10-027-632-174780	Sequence 174780, A
C 456	14.2	74.7	501	3	US-09-866-050A-207	Sequence 207, Appl	C 529	14.2	74.7	669	5	US-10-027-632-264261	Sequence 264261, A
C 457	14.2	74.7	501	5	US-10-152-661-37	Sequence 37, Appl	C 530	14.2	74.7	669	6	US-10-027-632-264261	Sequence 264261, A
C 458	14.2	74.7	501	5	US-10-152-661-207	Sequence 207, Appl	C 531	14.2	74.7	669	7	US-10-767-701-3497	Sequence 3497, Ap
C 459	14.2	74.7	508	7	US-10-425-114-1931	Sequence 1931, Ap	C 532	14.2	74.7	682	4	US-09-925-065A-669392	Sequence 669392, A
C 460	14.2	74.7	510	9	US-10-972-079-70610	Sequence 70610, A	C 533	14.2	74.7	682	4	US-09-925-065A-669393	Sequence 669393, A
C 461	14.2	74.7	516	5	US-10-171-581-113	Sequence 113, App	C 534	14.2	74.7	682	4	US-09-925-065A-669394	Sequence 669394, A

535	14.2	74.7	682	4	US-09-925-065A-669395	Sequence 669395,	C 608	14.2	74.7	1119	7	US-10-466-205-5	Sequence 5, Appl1
536	14.2	74.7	682	4	US-09-925-065A-669396	Sequence 669396,	C 609	14.2	74.7	1119	7	US-10-240-801A-18	Sequence 18, Appl1
537	14.2	74.7	682	4	US-10-425-115-128455	Sequence 128455,	C 610	14.2	74.7	1120	6	US-10-085-198-63	Sequence 63, Appl1
538	14.2	74.7	689	3	US-09-974-300-2391	Sequence 2391, Ap	C 611	14.2	74.7	1120	7	US-10-210-172-147	Sequence 147, App
C 539	14.2	74.7	692	9	US-10-956-157-904	Sequence 9394, Ap	C 612	14.2	74.7	1134	7	US-10-437-963-1711	Sequence 1711, Ap
C 540	14.2	74.7	692	9	US-10-956-157-9139	Sequence 9139, Ap	C 613	14.2	74.7	1163	8	US-10-425-115-17732	Sequence 47732, A
C 541	14.2	74.7	697	8	US-10-653-047-6869	Sequence 6869, Ap	C 614	14.2	74.7	1164	5	US-09-826-509-504	Sequence 504, App
C 542	14.2	74.7	705	9	US-10-487-901-1502	Sequence 1502, Ap	C 615	14.2	74.7	1164	5	US-10-228-264-3	Sequence 3, Appl1
543	14.2	74.7	709	6	US-10-027-632-12323	Sequence 12323, A	C 616	14.2	74.7	1164	8	US-10-925-095-504	Sequence 504, App
544	14.2	74.7	709	6	US-10-027-632-12323	Sequence 12323, A	C 617	14.2	74.7	1166	10	US-11-097-143-18929	Sequence 18929, A
C 545	14.2	74.7	709	8	US-10-425-115-124506	Sequence 124506,	C 618	14.2	74.7	1176	6	US-10-156-761-2610	Sequence 2610, Ap
C 546	14.2	74.7	720	9	US-10-424-599-24669	Sequence 24669, A	C 619	14.2	74.7	1176	6	US-10-156-761-2774	Sequence 2774, Ap
C 547	14.2	74.7	720	9	US-10-450-763-22057	Sequence 22057, A	C 620	14.2	74.7	1180	8	US-10-425-115-165709	Sequence 165709,
548	14.2	74.7	727	5	US-10-027-632-177121	Sequence 177121,	C 621	14.2	74.7	1185	9	US-10-450-763-1269	Sequence 7269, Ap
549	14.2	74.7	727	6	US-10-027-632-177121	Sequence 177121,	C 622	14.2	74.7	1192	7	US-10-437-963-45104	Sequence 45104, A
C 550	14.2	74.7	732	8	US-10-425-115-58968	Sequence 58968, A	C 623	14.2	74.7	1193	6	US-10-298-992-1	Sequence 1, Appl1
C 551	14.2	74.7	732	9	US-10-487-901-1500	Sequence 1500, Ap	C 624	14.2	74.7	1193	6	US-10-285-019-7	Sequence 7, Appl1
552	14.2	74.7	741	3	US-09-895-837-6	Sequence 6, Appl1	C 625	14.2	74.7	1213	8	US-10-653-047-6223	Sequence 6223, Ap
553	14.2	74.7	741	3	US-09-896-913A-6	Sequence 5, Appl1	C 626	14.2	74.7	1219	6	US-10-359-285-3	Sequence 3, Appl1
554	14.2	74.7	744	3	US-09-794-210-5	Sequence 5, Appl1	C 627	14.2	74.7	1227	6	US-10-156-761-4340	Sequence 4340, Ap
555	14.2	74.7	744	3	US-09-910-174A-30	Sequence 30, Appl1	C 628	14.2	74.7	1242	7	US-10-471-115-32	Sequence 32, Appl1
556	14.2	74.7	744	6	US-10-034-650-38	Sequence 38, Appl1	C 629	14.2	74.7	1252	6	US-10-365-483-32692	Sequence 32692, A
557	14.2	74.7	744	6	US-10-034-650-39	Sequence 39, Appl1	C 630	14.2	74.7	1252	7	US-10-767-701-15792	Sequence 15792, A
558	14.2	74.7	744	7	US-10-644-671-30	Sequence 30, Appl1	C 631	14.2	74.7	1253	7	US-10-425-114-26113	Sequence 26113, A
559	14.2	74.7	751	9	US-10-450-763-21720	Sequence 21720, A	C 632	14.2	74.7	1253	8	US-10-425-115-5960	Sequence 5960, Ap
C 560	14.2	74.7	786	7	US-10-437-963-17658	Sequence 17658, A	C 633	14.2	74.7	1257	6	US-10-369-483-43293	Sequence 43293, A
561	14.2	74.7	792	7	US-10-425-114-12562	Sequence 12562, A	C 634	14.2	74.7	1266	3	US-09-815-242-7606	Sequence 7606, Ap
562	14.2	74.7	793	5	US-10-027-632-151828	Sequence 151828,	C 635	14.2	74.7	1266	6	US-10-369-493-47305	Sequence 47305, A
563	14.2	74.7	793	6	US-10-027-632-151828	Sequence 151828,	C 636	14.2	74.7	1277	7	US-10-029-020-5	Sequence 5, Appl1
C 564	14.2	74.7	804	6	US-10-156-761-1182	Sequence 1182, Ap	C 637	14.2	74.7	1281	6	US-10-369-493-44951	Sequence 44951, A
565	14.2	74.7	805	7	US-10-425-114-3318	Sequence 3318, Ap	C 638	14.2	74.7	1281	7	US-10-437-963-53345	Sequence 53345, A
566	14.2	74.7	821	7	US-10-424-599-49541	Sequence 49541, A	C 639	14.2	74.7	1289	7	US-10-767-701-15797	Sequence 15797, A
567	14.2	74.7	822	7	US-10-112-944-524	Sequence 524, App	C 640	14.2	74.7	1309	5	US-10-225-567A-365	Sequence 365, App
C 568	14.2	74.7	825	6	US-10-321-188-41	Sequence 41, Appl1	C 641	14.2	74.7	1322	7	US-10-029-020-7	Sequence 7, Appl1
C 569	14.2	74.7	825	9	US-10-915-172-41	Sequence 41, Appl1	C 642	14.2	74.7	1325	7	US-10-424-599-63920	Sequence 63920, A
C 570	14.2	74.7	837	8	US-10-425-115-56366	Sequence 56366, A	C 643	14.2	74.7	1325	7	US-10-470-360-43	Sequence 43, Appl1
C 571	14.2	74.7	840	8	US-10-425-115-152154	Sequence 152154, A	C 644	14.2	74.7	1331	7	US-10-641-663-379	Sequence 379, App
C 572	14.2	74.7	851	10	US-11-097-143-35000	Sequence 35030, A	C 645	14.2	74.7	1344	3	US-09-738-626-491	Sequence 491, App
573	14.2	74.7	876	7	US-10-282-122A-19930	Sequence 19930, A	C 646	14.2	74.7	1348	7	US-10-425-114-20302	Sequence 20302, A
C 574	14.2	74.7	877	7	US-10-282-122A-26974	Sequence 26974, A	C 647	14.2	74.7	1353	7	US-10-450-681A-2	Sequence 2, Appl1
C 575	14.2	74.7	882	7	US-10-282-122A-39807	Sequence 39807, A	C 648	14.2	74.7	1357	6	US-10-085-167-1	Sequence 1, Appl1
C 576	14.2	74.7	883	7	US-10-767-701-1273	Sequence 1273, Ap	C 649	14.2	74.7	1359	6	US-10-156-761-4100	Sequence 4100, Appl1
577	14.2	74.7	883	8	US-10-767-795-4355	Sequence 4355, Ap	C 650	14.2	74.7	1362	7	US-10-437-963-3971	Sequence 3971, Ap
578	14.2	74.7	921	10	US-11-097-143-40076	Sequence 40076, A	C 651	14.2	74.7	1363	8	US-10-425-115-80541	Sequence 80541, A
C 579	14.2	74.7	922	8	US-10-425-115-49989	Sequence 49989, A	C 652	14.2	74.7	1365	2	US-08-899-112-29	Sequence 29, Appl1
C 580	14.2	74.7	930	6	US-09-815-242-6028	Sequence 6028, Ap	C 653	14.2	74.7	1365	6	US-10-298-992-4	Sequence 27, Appl1
C 581	14.2	74.7	930	6	US-10-369-493-24480	Sequence 24480, A	C 654	14.2	74.7	1365	6	US-10-285-019-27	Sequence 27, Appl1
C 582	14.2	74.7	930	7	US-10-282-122A-20335	Sequence 20335, A	C 655	14.2	74.7	1374	3	US-10-417-700A-2	Sequence 2, Appl1
C 583	14.2	74.7	955	9	US-10-450-763-30022	Sequence 30022, A	C 656	14.2	74.7	1374	3	US-09-815-242-9707	Sequence 9707, App
C 584	14.2	74.7	959	8	US-10-425-115-67002	Sequence 67002, A	C 657	14.2	74.7	1374	7	US-10-282-122A-38931	Sequence 38931, A
585	14.2	74.7	966	7	US-10-250-889-48	Sequence 48, Appl1	C 658	14.2	74.7	1374	7	US-10-282-122A-39445	Sequence 39445, A
586	14.2	74.7	967	6	US-10-080-254-167	Sequence 167, App	C 659	14.2	74.7	1375	7	US-10-282-122A-37158	Sequence 37158, A
587	14.2	74.7	967	6	US-10-242-355-1253	Sequence 1253, A	C 660	14.2	74.7	1392	3	US-09-974-300-5982	Sequence 5982, Ap
C 588	14.2	74.7	972	7	US-10-282-122A-15285	Sequence 15285, A	C 661	14.2	74.7	1400	9	US-10-956-157-6065	Sequence 6065, Ap
C 589	14.2	74.7	973	7	US-10-425-114-23868	Sequence 23868, A	C 662	14.2	74.7	1424	7	US-10-282-122A-15011	Sequence 15011, A
C 590	14.2	74.7	987	7	US-10-282-122A-23764	Sequence 23764, A	C 663	14.2	74.7	1431	7	US-10-282-122A-23827	Sequence 23827, A
C 591	14.2	74.7	990	6	US-10-236-055A-13	Sequence 13, Appl1	C 664	14.2	74.7	1436	8	US-10-723-860-6664	Sequence 6664, Ap
C 592	14.2	74.7	990	6	US-10-369-493-33108	Sequence 33108, A	C 665	14.2	74.7	1465	5	US-10-027-632-150715	Sequence 150715,
593	14.2	74.7	1040	8	US-10-425-115-87054	Sequence 87054, A	C 666	14.2	74.7	1465	5	US-10-027-632-150715	Sequence 150715,
594	14.2	74.7	1056	7	US-10-424-599-106137	Sequence 106137,	C 667	14.2	74.7	1476	10	US-11-097-143-38231	Sequence 38231, A
595	14.2	74.7	1060	7	US-10-282-122A-23971	Sequence 23971, A	C 668	14.2	74.7	1476	10	US-10-425-115-796	Sequence 796, App
C 596	14.2	74.7	1071	7	US-10-451-168-23	Sequence 23, Appl1	C 669	14.2	74.7	1481	8	US-10-437-963-15718	Sequence 15718, A
C 597	14.2	74.7	1071	9	US-10-980-387-23	Sequence 23, Appl1	C 670	14.2	74.7	1489	7	US-10-425-114-19911	Sequence 3198, A
C 598	14.2	74.7	1072	9	US-10-767-701-13682	Sequence 13682, A	C 671	14.2	74.7	1491	7	US-10-425-114-20911	Sequence 20911, A
C 599	14.2	74.7	1074	7	US-10-437-963-13566	Sequence 13566, A	C 672	14.2	74.7	1495	8	US-10-425-115-44635	Sequence 44635, A
C 600	14.2	74.7	1086	9	US-10-450-763-21535	Sequence 21535, A	C 673	14.2	74.7	1495	8	US-10-437-963-24165	Sequence 24165, A
C 601	14.2	74.7	1103	6	US-10-321-188-37	Sequence 37, Appl1	C 674	14.2	74.7	1501	9	US-10-450-763-14266	Sequence 14266, A
C 602	14.2	74.7	1103	6	US-10-915-172-37	Sequence 37, Appl1	C 675	14.2	74.7	1505	9	US-10-282-122A-6750	Sequence 6750, Ap
C 603	14.2	74.7	1104	6	US-10-321-188-36	Sequence 36, Appl1	C 676	14.2	74.7	1515	3	US-09-822-849A-61	Sequence 61, Appl1
C 604	14.2	74.7	1104	6	US-10-915-172-36	Sequence 36, Appl1	C 677	14.2	74.7	1516	3	US-10-282-122A-29264	Sequence 29264, A
C 605	14.2	74.7	1113	7	US-10-451-168-22	Sequence 22, Appl1	C 678	14.2	74.7	1536	7	US-10-282-122A-29264	Sequence 22, Appl1
C 606	14.2	74.7	1113	9	US-10-980-387-22	Sequence 22, Appl1	C 679	14.2	74.7	1541	3	US-09-822-849A-52	Sequence 52, Appl1
C 607	14.2	74.7	1119	2	US-08-899-112-7	Sequence 7, Appl1	C 680	14.2	74.7	1548	6	US-10-369-493-44520	Sequence 44520, A

C 681	14.2	74.7	1555	7	US-10-260-238-592	Sequence 592, App
C 682	14.2	74.7	1573	3	US-09-771-161A-1	Sequence 1, Appl1
C 683	14.2	74.7	1594	4	US-09-925-065A-684373	Sequence 684373, A
C 684	14.2	74.7	1594	4	US-09-925-065A-684374	Sequence 299, App
C 685	14.2	74.7	1594	4	US-09-925-065A-684375	Sequence 2934, App
C 686	14.2	74.7	1594	4	US-09-925-065A-684376	Sequence 2758, Ap
C 687	14.2	74.7	1596	3	US-09-815-242-6053	Sequence 377, App
C 688	14.2	74.7	1596	3	US-10-282-122A-20352	Sequence 5768, Ap
C 689	14.2	74.7	1599	9	US-10-450-763-7271	Sequence 67003, A
C 690	14.2	74.7	1623	6	US-10-369-493-31177	Sequence 36, Appl
C 691	14.2	74.7	1631	3	US-09-960-706-681	Sequence 9, Appl1
C 692	14.2	74.7	1631	3	US-09-873-367C-156	Sequence 3, Appl1
C 693	14.2	74.7	1631	8	US-10-723-860-389	Sequence 25, Appl1
C 694	14.2	74.7	1631	9	US-10-843-641A-156	Sequence 33327, A
C 695	14.2	74.7	1631	9	US-10-956-157-830	Sequence 1406, A
C 696	14.2	74.7	1655	10	US-11-097-143-1136	Sequence 426, App
C 697	14.2	74.7	1655	3	US-09-794-210-3	Sequence 2027, Ap
C 698	14.2	74.7	1655	3	US-09-895-837-4	Sequence 2027, Ap
C 699	14.2	74.7	1655	3	US-09-896-913A-4	Sequence 87289, A
C 700	14.2	74.7	1661	5	US-10-027-632-97613	Sequence 48242, A
C 701	14.2	74.7	1661	5	US-10-027-632-97613	Sequence 48241, A
C 702	14.2	74.7	1665	6	US-10-156-761-7042	Sequence 19549, A
C 703	14.2	74.7	1673	8	US-10-112-944-40	Sequence 69, Appl
C 704	14.2	74.7	1706	8	US-10-739-930-3978	Sequence 23267, A
C 705	14.2	74.7	1714	6	US-10-359-285-1	Sequence 696627, A
C 706	14.2	74.7	1716	6	US-10-423-115-20849	Sequence 696628, A
C 707	14.2	74.7	1728	8	US-10-450-763-25458	Sequence 89979, A
C 708	14.2	74.7	1739	10	US-11-097-143-9911	Sequence 4582, App
C 709	14.2	74.7	1788	8	US-10-425-114-17836	Sequence 19181, A
C 710	14.2	74.7	1789	8	US-10-425-115-38578	Sequence 62656, A
C 711	14.2	74.7	1807	8	US-10-425-114-22606	Sequence 20655, Ap
C 712	14.2	74.7	1807	8	US-10-425-114-22606	Sequence 23598, A
C 713	14.2	74.7	1823	9	US-10-437-963-38702	Sequence 569, App
C 714	14.2	74.7	1833	7	US-10-437-963-38702	Sequence 4568, App
C 715	14.2	74.7	1838	5	US-10-084-817-220	Sequence 971, App
C 716	14.2	74.7	1842	9	US-10-450-763-24981	Sequence 5319, A
C 717	14.2	74.7	1843	7	US-10-425-114-28630	Sequence 27395, A
C 718	14.2	74.7	1863	10	US-11-097-143-29849	Sequence 30031, A
C 719	14.2	74.7	1867	7	US-10-437-963-41728	Sequence 46, Appl
C 720	14.2	74.7	1869	8	US-10-282-122A-27454	Sequence 39615, A
C 721	14.2	74.7	1869	8	US-10-211-028-22	Sequence 9060, Ap
C 722	14.2	74.7	1874	4	US-09-925-065A-676016	Sequence 205, App
C 723	14.2	74.7	1874	4	US-09-925-065A-676017	Sequence 92403, A
C 724	14.2	74.7	1874	4	US-09-925-065A-676018	Sequence 22, Appl
C 725	14.2	74.7	1874	4	US-09-925-065A-676019	Sequence 17821, A
C 726	14.2	74.7	1874	4	US-09-925-065A-676020	Sequence 21386, A
C 727	14.2	74.7	1908	5	US-10-072-036-124	Sequence 11994, A
C 728	14.2	74.7	1910	5	US-10-108-260A-1893	Sequence 3700, Ap
C 729	14.2	74.7	1922	7	US-10-425-114-27305	Sequence 87247, Ap
C 730	14.2	74.7	1944	7	US-10-482-122A-23632	Sequence 40075, A
C 731	14.2	74.7	1950	10	US-11-097-143-30056	Sequence 13139, A
C 732	14.2	74.7	1958	5	US-10-027-632-97142	Sequence 3, Appl1
C 733	14.2	74.7	1958	5	US-10-027-632-97142	Sequence 4621, Ap
C 734	14.2	74.7	1962	7	US-10-411-037-65	Sequence 1343, Ap
C 735	14.2	74.7	1962	7	US-10-411-026-65	Sequence 9060, Ap
C 736	14.2	74.7	1962	7	US-10-410-962-65	Sequence 20620, A
C 737	14.2	74.7	1962	7	US-10-411-049-65	Sequence 14590, A
C 738	14.2	74.7	1962	7	US-10-410-930-65	Sequence 365, App
C 739	14.2	74.7	1962	7	US-10-410-997-65	Sequence 365, App
C 740	14.2	74.7	1962	7	US-10-411-012-65	Sequence 14755, A
C 741	14.2	74.7	1962	7	US-10-410-913-65	Sequence 29648, A
C 742	14.2	74.7	1962	8	US-10-410-890-65	Sequence 26028, A
C 743	14.2	74.7	1962	8	US-10-410-897-65	Sequence 8, Appl1
C 744	14.2	74.7	1964	8	US-10-425-115-92396	Sequence 404, Appl
C 745	14.2	74.7	1967	10	US-11-097-143-8531	Sequence 404, Appl
C 746	14.2	74.7	1970	8	US-10-473-392-1	Sequence 18937, A
C 747	14.2	74.7	1994	8	US-10-423-115-11810	Sequence 35417, A
C 748	14.2	74.7	2010	8	US-10-425-115-92400	Sequence 21623, A
C 749	14.2	74.7	2015	6	US-10-104-047-868	Sequence 24157, A
C 750	14.2	74.7	2016	6	US-10-027-632-177120	Sequence 35029, A
C 751	14.2	74.7	2016	6	US-10-027-632-177120	Sequence 582, App
C 752	14.2	74.7	2031	3	US-09-764-868-50	
C 753	14.2	74.7	2031	3	US-10-986-466-16	
C 754	14.2	74.7	2039	7	US-10-425-114-77926	Sequence 27926, A
C 755	14.2	74.7	2067	6	US-10-094-749-465	Sequence 465, App
C 756	14.2	74.7	2094	10	US-11-097-143-21194	Sequence 21194, A
C 757	14.2	74.7	2155	3	US-09-962-456-59	Sequence 299, App
C 758	14.2	74.7	2155	3	US-09-880-107-3394	Sequence 2934, App
C 759	14.2	74.7	2155	9	US-10-843-641A-2758	Sequence 2758, Ap
C 760	14.2	74.7	2155	9	US-10-956-157-373	Sequence 377, App
C 761	14.2	74.7	2162	10	US-11-097-143-5768	Sequence 5768, Ap
C 762	14.2	74.7	2164	8	US-10-425-115-57003	Sequence 67003, A
C 763	14.2	74.7	2197	9	US-10-804-763-36	Sequence 36, Appl
C 764	14.2	74.7	2200	6	US-08-899-112-9	Sequence 9, Appl1
C 765	14.2	74.7	2200	6	US-10-298-992-3	Sequence 3, Appl1
C 766	14.2	74.7	2200	6	US-10-285-019-9	Sequence 9, Appl1
C 767	14.2	74.7	2202	6	US-10-236-01B-25	Sequence 25, Appl1
C 768	14.2	74.7	2220	10	US-11-097-143-32327	Sequence 33327, A
C 769	14.2	74.7	2227	7	US-10-282-122A-14306	Sequence 1406, A
C 770	14.2	74.7	2230	6	US-10-094-749-426	Sequence 426, App
C 771	14.2	74.7	2251	10	US-11-097-143-28070	Sequence 2027, Ap
C 772	14.2	74.7	2260	10	US-10-437-963-87289	Sequence 87289, A
C 773	14.2	74.7	2265	7	US-10-423-115-20870	Sequence 48242, A
C 774	14.2	74.7	2289	8	US-10-423-115-48241	Sequence 48241, A
C 775	14.2	74.7	2290	8	US-10-282-122A-19349	Sequence 19549, A
C 776	14.2	74.7	2298	3	US-09-746-783-69	Sequence 69, Appl
C 777	14.2	74.7	2317	10	US-11-097-143-23267	Sequence 23267, A
C 778	14.2	74.7	2320	4	US-09-925-065A-696627	Sequence 696627, A
C 779	14.2	74.7	2320	4	US-09-925-065A-696628	Sequence 696628, A
C 780	14.2	74.7	2325	8	US-10-423-115-89979	Sequence 89979, A
C 781	14.2	74.7	2336	9	US-10-756-149-4582	Sequence 4582, App
C 782	14.2	74.7	2405	10	US-11-097-143-13918	Sequence 19181, A
C 783	14.2	74.7	2415	3	US-09-815-242-6296	Sequence 62656, A
C 784	14.2	74.7	2415	7	US-10-282-122A-20555	Sequence 20655, Ap
C 785	14.2	74.7	2432	7	US-10-282-122A-23598	Sequence 23598, A
C 786	14.2	74.7	2440	6	US-10-108-260A-569	Sequence 569, App
C 787	14.2	74.7	2441	10	US-11-097-143-4556	Sequence 4568, App
C 788	14.2	74.7	2453	10	US-10-156-761-5359	Sequence 971, App
C 789	14.2	74.7	2502	6	US-11-097-143-971	Sequence 5319, A
C 790	14.2	74.7	2504	10	US-11-097-143-27335	Sequence 27395, A
C 791	14.2	74.7	2550	9	US-10-450-763-30031	Sequence 30031, A
C 792	14.2	74.7	2603	3	US-09-989-442-46	Sequence 46, Appl
C 793	14.2	74.7	2613	7	US-10-282-122A-19961	Sequence 39615, A
C 794	14.2	74.7	2613	7	US-10-282-122A-19915	Sequence 9060, Ap
C 795	14.2	74.7	2639	6	US-10-159-563-205	Sequence 205, App
C 796	14.2	74.7	2655	8	US-10-425-115-97403	Sequence 92403, A
C 797	14.2	74.7	2657	3	US-09-895-286-22	Sequence 22, Appl
C 798	14.2	74.7	2657	8	US-10-885-033-22	Sequence 22, Appl
C 799	14.2	74.7	2677	9	US-10-450-763-17821	Sequence 17821, A
C 800	14.2	74.7	2682	10	US-11-097-143-21386	Sequence 21386, A
C 801	14.2	74.7	2691	7	US-10-282-122A-11994	Sequence 11994, A
C 802	14.2	74.7	2698	10	US-11-097-143-5210	Sequence 5210, Ap
C 803	14.2	74.7	2729	7	US-10-398-221-3700	Sequence 3700, Ap
C 804	14.2	74.7	2765	7	US-10-437-963-87247	Sequence 87247, Ap
C 805	14.2	74.7	2768	10	US-11-097-143-40075	Sequence 40075, A
C 806	14.2	74.7	2799	9	US-10-450-763-13139	Sequence 13139, A
C 807	14.2	74.7	2805	8	US-10-764-330-3	Sequence 3, Appl1
C 808	14.2	74.7	2813	10	US-11-097-143-4621	Sequence 4621, Ap
C 809	14.2	74.7	2833	6	US-10-108-260A-1343	Sequence 1343, Ap
C 810	14.2	74.7	2838	7	US-10-282-122A-5060	Sequence 9060, Ap
C 811	14.2	74.7	2846	9	US-10-450-763-20620	Sequence 20620, A
C 812	14.2	74.7	2859	10	US-11-097-143-14990	Sequence 14590, A
C 813	14.2	74.7	2874	6	US-10-277-216-365	Sequence 365, App
C 814	14.2	74.7	2874	7	US-10-126-022-365	Sequence 365, App
C 815	14.2	74.7	2876	10	US-11-097-143-14755	Sequence 14755, A
C 816	14.2	74.7	2884	10	US-11-097-143-59848	Sequence 29648, A
C 817	14.2	74.7	2913	7	US-10-282-122A-26028	Sequence 26028, A
C 818	14.2	74.7	2937	8	US-10-600-862A-8	Sequence 8, Appl1
C 819	14.2	74.7	2947	8	US-10-812-849-8	Sequence 8, Appl1
C 820	14.2	74.7	2947	10	US-11-097-143-404	Sequence 404, Appl
C 821	14.2	74.7	2948	10	US-11-097-143-18937	Sequence 18937, A
C 822	14.2	74.7	2957	10	US-11-097-143-35417	Sequence 35417, A
C 823	14.2	74.7	2960	10	US-11-097-143-21623	Sequence 21623, A
C 824	14.2	74.7	2964	7	US-10-437-963-24157	Sequence 24157, A
C 825	14.2	74.7	2979	10	US-11-097-143-35029	Sequence 35029, A
C 826	14.2	74.7	2985	5	US-10-128-714-582	Sequence 582, App

827	14.2	74.7	2985	5	US-10-128-714-5582	Sequence 5582, Ap	900	14.2	74.7	5217	10	US-11-097-143-1675	Sequence 1675, Ap
828	14.2	74.7	2992	7	US-10-479-764-29	Sequence 29, Appl	c 901	14.2	74.7	5239	3	US-09-835-976B-1	Sequence 1, Appl
829	14.2	74.7	3039	8	US-10-437-963-87282	Sequence 87282, A	c 902	14.2	74.7	5261	7	US-10-286-774-871	Sequence 971, Ap
830	14.2	74.7	3049	7	US-10-302-172-801	Sequence 801, App	c 903	14.2	74.7	5292	10	US-11-097-143-6098	Sequence 6098, Ap
831	14.2	74.7	3096	7	US-10-437-963-24162	Sequence 24162, A	c 904	14.2	74.7	5320	10	US-11-097-143-5209	Sequence 5209, Ap
832	14.2	74.7	3141	6	US-10-156-761-6107	Sequence 6107, Ap	c 905	14.2	74.7	5333	10	US-11-097-143-21622	Sequence 21622, A
833	14.2	74.7	3154	8	US-10-405-310-1	Sequence 1, Appl	c 906	14.2	74.7	5372	8	US-10-723-860-8187	Sequence 8187, Ap
834	14.2	74.7	3170	7	US-10-322-696-41	Sequence 41, Appl	c 907	14.2	74.7	5444	3	US-09-996-617-1	Sequence 1, Appl
835	14.2	74.7	3229	10	US-11-097-143-18035	Sequence 18035, A	c 908	14.2	74.7	5444	3	US-09-931-071-1	Sequence 1, Appl
836	14.2	74.7	3246	7	US-10-437-963-87173	Sequence 87173, A	c 909	14.2	74.7	5444	3	US-09-956-712-3	Sequence 3, Appl
837	14.2	74.7	3293	3	US-09-320-337-75	Sequence 75, Appl	c 910	14.2	74.7	5444	7	US-10-633-913-3	Sequence 3, Appl
838	14.2	74.7	3398	10	US-11-097-143-18928	Sequence 18928, A	c 911	14.2	74.7	5458	9	US-10-756-149-1517	Sequence 1517, Ap
839	14.2	74.7	3431	10	US-11-097-143-2764	Sequence 2764, Ap	c 912	14.2	74.7	5556	10	US-11-097-143-11431	Sequence 11431, A
840	14.2	74.7	3449	10	US-11-097-143-4624	Sequence 4624, Ap	c 913	14.2	74.7	5665	5	US-10-166-221-1	Sequence 1, Appl
841	14.2	74.7	3457	9	US-10-450-763-2942	Sequence 2942, Ap	c 914	14.2	74.7	5708	10	US-11-097-143-18034	Sequence 18034, A
842	14.2	74.7	3457	9	US-10-450-763-30198	Sequence 30198, A	c 915	14.2	74.7	5772	3	US-09-783-066-7	Sequence 7, Appl
843	14.2	74.7	3458	9	US-10-450-763-17274	Sequence 17274, A	c 916	14.2	74.7	5772	3	US-10-972-024-126	Sequence 126, App
844	14.2	74.7	3541	5	US-10-128-714-576	Sequence 576, App	c 917	14.2	74.7	5860	9	US-10-450-763-2249	Sequence 2249, Ap
845	14.2	74.7	3541	5	US-10-128-714-5576	Sequence 5576, Ap	c 918	14.2	74.7	5951	10	US-11-097-143-27973	Sequence 27973, A
846	14.2	74.7	3600	9	US-11-097-143-1613	Sequence 1613, Ap	c 919	14.2	74.7	6015	5	US-10-170-682-2	Sequence 2, Appl
847	14.2	74.7	3611	10	US-10-975-280-1	Sequence 1, Appl	c 920	14.2	74.7	6137	8	US-10-723-860-2526	Sequence 2526, Ap
848	14.2	74.7	3624	10	US-11-097-143-2026	Sequence 2026, Ap	c 921	14.2	74.7	6137	8	US-10-756-149-2337	Sequence 2337, Ap
849	14.2	74.7	3629	7	US-10-717-597-129	Sequence 129, App	c 922	14.2	74.7	6156	3	US-09-842-256-1	Sequence 1, Appl
850	14.2	74.7	3629	9	US-10-891-973-1	Sequence 1, Appl	c 923	14.2	74.7	6156	6	US-10-504-173-127	Sequence 127, App
851	14.2	74.7	3646	9	US-10-450-763-28774	Sequence 28774, A	c 924	14.2	74.7	6158	6	US-10-217-141-4	Sequence 4, Appl
852	14.2	74.7	3646	10	US-11-097-143-38230	Sequence 38230, A	c 925	14.2	74.7	6158	6	US-10-185-731-4	Sequence 4, Appl
853	14.2	74.7	3659	9	US-10-956-157-4651	Sequence 4651, Ap	c 926	14.2	74.7	6158	6	US-10-185-721-4	Sequence 4, Appl
854	14.2	74.7	3671	10	US-11-097-143-22238	Sequence 22238, A	c 927	14.2	74.7	6198	10	US-11-097-143-623	Sequence 623, App
855	14.2	74.7	3684	9	US-10-450-763-28921	Sequence 28921, A	c 928	14.2	74.7	6200	3	US-09-993-038-1	Sequence 1, Appl
856	14.2	74.7	3726	10	US-11-097-143-23275	Sequence 23275, A	c 929	14.2	74.7	6200	3	US-09-993-241-1	Sequence 1, Appl
857	14.2	74.7	3726	6	US-10-388-934-531	Sequence 1667, App	c 930	14.2	74.7	6200	5	US-10-206-443-1	Sequence 1, Appl
858	14.2	74.7	3726	7	US-10-152-319A-1716	Sequence 1716, App	c 931	14.2	74.7	6399	10	US-11-097-143-19019	Sequence 19019, A
859	14.2	74.7	3726	7	US-10-437-963-50771	Sequence 50771, A	c 932	14.2	74.7	6531	3	US-09-956-712-11	Sequence 11, Appl
860	14.2	74.7	3741	9	US-10-450-763-25460	Sequence 25460, A	c 933	14.2	74.7	6531	7	US-10-633-913-11	Sequence 11, Appl
861	14.2	74.7	3741	9	US-10-282-122A-23776	Sequence 23776, A	c 934	14.2	74.7	6732	8	US-10-723-860-6681	Sequence 6681, Ap
862	14.2	74.7	3799	8	US-10-723-860-5083	Sequence 5083, Ap	c 935	14.2	74.7	6742	8	US-10-723-860-5347	Sequence 5347, Ap
863	14.2	74.7	3836	10	US-11-097-143-33343	Sequence 33343, A	c 936	14.2	74.7	6789	10	US-11-097-143-871	Sequence 871, App
864	14.2	74.7	3894	10	US-11-097-143-21874	Sequence 21874, A	c 937	14.2	74.7	6791	8	US-10-764-390-2	Sequence 2, Appl
865	14.2	74.7	3927	7	US-10-437-963-50771	Sequence 50771, A	c 938	14.2	74.7	6791	8	US-10-764-390-4	Sequence 4, Appl
866	14.2	74.7	3942	7	US-10-437-963-24167	Sequence 24167, A	c 939	14.2	74.7	6797	8	US-10-764-390-770	Sequence 270, App
867	14.2	74.7	3943	10	US-11-097-143-9128	Sequence 9128, Ap	c 940	14.2	74.7	6797	8	US-10-764-390-271	Sequence 271, App
868	14.2	74.7	3967	10	US-11-097-143-8530	Sequence 8530, Ap	c 941	14.2	74.7	6804	10	US-11-097-143-5366	Sequence 5366, Ap
869	14.2	74.7	4005	10	US-11-097-143-1135	Sequence 1135, Ap	c 942	14.2	74.7	6950	10	US-11-097-143-1162	Sequence 1162, Ap
870	14.2	74.7	4184	3	US-09-927-827-42	Sequence 42, Appl	c 943	14.2	74.7	6991	8	US-10-764-390-6	Sequence 6, Appl
871	14.2	74.7	4205	10	US-11-097-143-30055	Sequence 30055, A	c 944	14.2	74.7	6991	8	US-10-764-390-269	Sequence 269, App
872	14.2	74.7	4220	10	US-11-097-143-32326	Sequence 32326, A	c 945	14.2	74.7	7146	10	US-11-097-143-5576	Sequence 5576, Ap
873	14.2	74.7	4287	3	US-09-996-617-5	Sequence 5, Appl	c 946	14.2	74.7	7330	10	US-11-097-143-6989	Sequence 6989, Ap
874	14.2	74.7	4287	3	US-09-931-071-5	Sequence 5, Appl	c 947	14.2	74.7	7460	10	US-11-097-143-35416	Sequence 35416, A
875	14.2	74.7	4383	10	US-11-097-143-28069	Sequence 28069, A	c 948	14.2	74.7	7521	10	US-11-097-143-25487	Sequence 25487, A
876	14.2	74.7	4395	6	US-10-414-682-13	Sequence 13, Appl	c 949	14.2	74.7	7529	7	US-11-097-143-970	Sequence 970, App
877	14.2	74.7	4395	8	US-10-425-115-65993	Sequence 65993, A	c 950	14.2	74.7	7648	7	US-10-176-066-1	Sequence 1, Appl
878	14.2	74.7	4422	3	US-09-388-221-1	Sequence 1, Appl	c 951	14.2	74.7	7726	10	US-11-097-143-9127	Sequence 9127, Ap
879	14.2	74.7	4422	8	US-10-828-920-1	Sequence 1, Appl	c 952	14.2	74.7	7955	8	US-10-357-930-23443	Sequence 23443, A
880	14.2	74.7	4455	7	US-10-437-963-87217	Sequence 87217, A	c 953	14.2	74.7	7955	8	US-10-357-930-29330	Sequence 29330, A
881	14.2	74.7	4483	7	US-10-114-270-145	Sequence 145, App	c 954	14.2	74.7	8034	6	US-10-172-118-1278	Sequence 1278, App
882	14.2	74.7	4530	7	US-10-437-963-102125	Sequence 102125, A	c 955	14.2	74.7	8034	9	US-10-342-887-1278	Sequence 1278, App
883	14.2	74.7	4536	3	US-09-388-221-9	Sequence 9, Appl	c 956	14.2	74.7	8034	9	US-10-956-157-1593	Sequence 1593, Ap
884	14.2	74.7	4556	8	US-10-828-920-9	Sequence 9, Appl	c 957	14.2	74.7	8136	6	US-10-369-493-35302	Sequence 35302, A
885	14.2	74.7	4569	10	US-11-097-143-21193	Sequence 21193, A	c 958	14.2	74.7	8164	10	US-11-097-143-6097	Sequence 6097, Ap
886	14.2	74.7	4621	6	US-10-379-616-9	Sequence 9, Appl	c 959	14.2	74.7	8244	6	US-10-462-842-3	Sequence 3, Appl
887	14.2	74.7	4685	7	US-10-437-963-40308	Sequence 40308, A	c 960	14.2	74.7	8244	6	US-10-746-795-3	Sequence 3, Appl
888	14.2	74.7	4746	10	US-11-097-143-14773	Sequence 14773, A	c 961	14.2	74.7	8279	10	US-11-097-143-622	Sequence 622, App
889	14.2	74.7	4787	10	US-10-936-273-31	Sequence 31, Appl	c 962	14.2	74.7	8310	6	US-10-133-807-11	Sequence 11, Appl
890	14.2	74.7	4878	9	US-11-097-143-11432	Sequence 11432, A	c 963	14.2	74.7	8374	10	US-11-097-143-22237	Sequence 22237, A
891	14.2	74.7	4920	10	US-11-097-143-11432	Sequence 11432, A	c 964	14.2	74.7	8821	10	US-11-097-143-21385	Sequence 21385, A
892	14.2	74.7	4932	10	US-11-097-143-4567	Sequence 4567, Ap	c 965	14.2	74.7	9236	10	US-11-097-143-2366	Sequence 2366, A
893	14.2	74.7	5025	10	US-11-097-143-23503	Sequence 23503, A	c 966	14.2	74.7	9262	10	US-11-097-143-27994	Sequence 27994, A
894	14.2	74.7	5043	10	US-11-097-143-14999	Sequence 14999, A	c 967	14.2	74.7	9443	10	US-11-097-143-21422	Sequence 21422, A
895	14.2	74.7	5068	8	US-10-860-761-1	Sequence 1, Appl	c 968	14.2	74.7	9487	10	US-11-097-143-19018	Sequence 19018, A
896	14.2	74.7	5122	6	US-10-182-822A-29	Sequence 29, Appl	c 969	14.2	74.7	9683	7	US-10-369-493-88492	Sequence 88492, A
897	14.2	74.7	5132	10	US-11-097-143-26393	Sequence 26393, A	c 970	14.2	74.7	9903	6	US-10-282-122A-28185	Sequence 28185, A
898	14.2	74.7	5139	10	US-11-097-143-11300	Sequence 11300, A	c 971	14.2	74.7	10543	10	US-11-097-143-6988	Sequence 6988, Ap
899	14.2	74.7	5157	10	US-11-097-143-18733	Sequence 18733, A	c 972	14.2	74.7	10904	10	US-11-097-143-19891	Sequence 19891, A

973 14.2 74.7 11133 10 US-11-097-143-25486 Sequence 25486, A
C 974 14.2 74.7 11314 10 US-11-097-143-7543 Sequence 7543, Ap
C 975 14.2 74.7 12380 3 US-09-736-131-3 Sequence 3, Appl1
C 976 14.2 74.7 13021 3 US-09-764-891-7354 Sequence 7354, Ap
977 14.2 74.7 13327 10 US-11-097-143-1612 Sequence 1612, Ap
978 14.2 74.7 14449 10 US-11-097-143-14779 Sequence 14779, A
979 14.2 74.7 14449 10 US-11-097-143-14806 Sequence 14806, A
980 14.2 74.7 14648 10 US-11-097-143-21421 Sequence 21421, A
C 981 14.2 74.7 15414 10 US-11-097-143-9295 Sequence 9295, Ap
C 982 14.2 74.7 17073 10 US-11-097-143-26392 Sequence 26392, A
C 983 14.2 74.7 19175 7 US-11-097-143-403 Sequence 403, Ap
C 984 14.2 74.7 21185 10 US-10-158-257A-2 Sequence 2, Appl1
985 14.2 74.7 21960 6 US-10-277-216-364 Sequence 364, Ap
986 14.2 74.7 21960 6 US-10-126-022-364 Sequence 364, Ap
C 987 14.2 74.7 22017 8 US-10-211-028-12 Sequence 12, Appl1
C 988 14.2 74.7 22408 10 US-11-097-143-4822 Sequence 4822, Ap
C 989 14.2 74.7 24008 3 US-09-764-891-8956 Sequence 8956, Ap
C 990 14.2 74.7 24515 10 US-11-097-143-9910 Sequence 9910, Ap
C 991 14.2 74.7 25381 10 US-11-097-143-9364 Sequence 9364, Ap
992 14.2 74.7 25891 10 US-11-097-143-5767 Sequence 5767, Ap
C 993 14.2 74.7 26320 5 US-10-166-221-3 Sequence 3, Appl1
C 994 14.2 74.7 26446 10 US-11-097-143-20788 Sequence 20788, A
C 995 14.2 74.7 31063 7 US-10-672-787-20 Sequence 20, Appl1
C 996 14.2 74.7 31263 7 US-10-282-122A-25447 Sequence 25447, A
C 997 14.2 74.7 32152 5 US-10-205-428-927 Sequence 927, Ap
C 998 14.2 74.7 32351 7 US-10-322-696-40 Sequence 40, Appl1
999 14.2 74.7 34073 5 US-10-087-192-535 Sequence 535, Ap
C1000 14.2 74.7 35058 10 US-11-097-143-5575 Sequence 5575, Ap

ALIGNMENTS

RESULT 1

US-10-086-206-5
; Sequence 5, Application US/10086206
; Publication No. US20030124546a1
; GENERAL INFORMATION:
; APPLICANT: Magdalena, J
; APPLICANT: Supply, P
; APPLICANT: Lochte, C
; TITLE OF INVENTION: M. TUBERCULOSIS COMPLEX MEMBERS MYCOBACTERIA SPECIFIC
; TITLE OF INVENTION: NUCLEIC ACID FRAGMENTS AND THEIR APPLICATIONS FOR THE
; TITLE OF INVENTION: DETECTION AND DIFFERENTIAL DIAGNOSIS OF M. TUBERCULOSIS
; FILE REFERENCE: 408.014
; CURRENT APPLICATION NUMBER: US/10/086,206
; CURRENT FILING DATE: 2002-02-28
; PRIOR APPLICATION NUMBER: PCT/FR97/01483
; PRIOR FILING DATE: 1997-08-12
; PRIOR APPLICATION NUMBER: FR 96/10277
; PRIOR FILING DATE: 1996-08-19
; NUMBER OF SEQ ID NOS: 11
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 5
; LENGTH: 19
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
US-10-086-206-5

Query Match 100.0%; Score 19; DB 6; Length 19;
Best Local Similarity 100.0%; Pred. No. 27;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 GCGCAGCAGAAACGTCAGC 19
DB 1 GCGCAGCAGAAACGTCAGC 19

RESULT 2

US-10-282-122A-28205/c
; Sequence 28205, Application US/10282122A
; Publication No. US20040029129a1

; GENERAL INFORMATION:
; APPLICANT: Wang, Liangsu
; APPLICANT: Zamudio, Carlos
; APPLICANT: Malone, Cheryl
; APPLICANT: Haselbeck, Robert
; APPLICANT: Ohlsen, Kari
; APPLICANT: Zyskind, Judith
; APPLICANT: Wall, Daniel
; APPLICANT: Trawick, John
; APPLICANT: Carr, Grant
; APPLICANT: Yamamoto, Robert
; APPLICANT: Forsyth, R.
; APPLICANT: Xu, H.
; TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
; FILE REFERENCE: ELITRA.034A
; CURRENT APPLICATION NUMBER: US/10/282,122A
; CURRENT FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: 60/151,078
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/206,848
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/207,727
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/230,335
; PRIOR FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: 60/230,347
; PRIOR FILING DATE: 2000-09-09
; PRIOR APPLICATION NUMBER: 60/242,578
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/253,625
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/257,931
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/267,636
; PRIOR FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/269,308
; PRIOR FILING DATE: 2001-02-16
; REMAINING Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 78614
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 28205
; LENGTH: 684
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
US-10-282-122A-28205

Query Match 91.6%; Score 17.4; DB 6; Length 684;
Best Local Similarity 94.7%; Pred. No. 1.5e+02;
Matches 18; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

OY 1 GCGCAGCAGAAACGTCAGC 19
DB 66 GCGCAGCAGAAACGTCAGC 48

US-10-282-122A-26406/c
; Sequence 26406, Application US/10282122A
; Publication No. US20040029129a1

; GENERAL INFORMATION:
; APPLICANT: Wang, Liangsu
; APPLICANT: Zamudio, Carlos
; APPLICANT: Malone, Cheryl
; APPLICANT: Haselbeck, Robert
; APPLICANT: Ohlsen, Kari
; APPLICANT: Zyskind, Judith
; APPLICANT: Wall, Daniel
; APPLICANT: Trawick, John
; APPLICANT: Carr, Grant
; APPLICANT: Yamamoto, Robert
; APPLICANT: Forsyth, R.
; APPLICANT: Xu, H.
; TITLE OF INVENTION: Identification of Essential Genes in Microorganisms


```
; FILE REFERENCE: ELITRA.034A
; CURRENT APPLICATION NUMBER: US/10/282,122A
; PRIOR FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: 60/191,078
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/206,848
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/207,727
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/230,335
; PRIOR FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: 60/230,347
; PRIOR FILING DATE: 2000-09-09
; PRIOR APPLICATION NUMBER: 60/242,578
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/253,625
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/257,931
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/267,636
; PRIOR FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/269,308
; PRIOR FILING DATE: 2001-02-16
; Remaining Prior Application data removed - See File wrapper or PALM.
; NUMBER OF SEQ ID NOS: 78614
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 26406
; LENGTH: 690
; TYPE: DNA
; ORGANISM: Mycobacterium bovis
US-10-282-122A-26406
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Query Match          91.6%; Score 17.4; DB 7; Length 690;
Best Local Similarity 94.7%; Pred. No. 1.5e+02;
Matches 18; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
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Oy      1 GCGCAGCAGAAACGTCAGC 19
        |||||
Db      75 GCGCAGCAGAAACGCCAGC 57
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```
RESULT 4
US-10-080-170-648/C
; Sequence 648, Application US/10080170
; Publication No. US20030129601A1
; GENERAL INFORMATION:
; APPLICANT: COLE, S.T.
; TITLE OF INVENTION: COMPARATIVE MYCOBACTERIAL GENOMICS AS A TOOL FOR
; TITLE OF INVENTION: IDENTIFYING TARGETS FOR THE DIAGNOSIS, PROPHYLAXIS OR
; FILE REFERENCE: 03495.0218
; CURRENT APPLICATION NUMBER: US/10/080,170
; CURRENT FILING DATE: 2002-06-10
; PRIOR APPLICATION NUMBER: 60/270,123
; PRIOR FILING DATE: 2001-02-22
; NUMBER OF SEQ ID NOS: 652
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 648
; LENGTH: 86114
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
US-10-080-170-648
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Query Match          91.6%; Score 17.4; DB 6; Length 86114;
Best Local Similarity 94.7%; Pred. No. 1.4e+02;
Matches 18; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
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```
Oy      1 GCGCAGCAGAAACGTCAGC 19
        |||||
Db      67471 GCGCAGCAGAAACGCCAGC 67453
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RESULT 5

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US-10-080-170-648/C
; Sequence 648, Application US/10080170
; Publication No. US20040121322A9
; GENERAL INFORMATION:
; APPLICANT: COLE, S.T.
; TITLE OF INVENTION: COMPARATIVE MYCOBACTERIAL GENOMICS AS A TOOL FOR
; TITLE OF INVENTION: IDENTIFYING TARGETS FOR THE DIAGNOSIS, PROPHYLAXIS OR
; FILE REFERENCE: 03495.0218
; CURRENT APPLICATION NUMBER: US/10/080,170
; CURRENT FILING DATE: 2002-06-10
; PRIOR APPLICATION NUMBER: 60/270,123
; PRIOR FILING DATE: 2001-02-22
; NUMBER OF SEQ ID NOS: 652
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 648
; LENGTH: 86114
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
US-10-080-170-648
```

```
Query Match          91.6%; Score 17.4; DB 7; Length 86114;
Best Local Similarity 94.7%; Pred. No. 1.4e+02;
Matches 18; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
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```
Oy      1 GCGCAGCAGAAACGTCAGC 19
        |||||
Db      67471 GCGCAGCAGAAACGCCAGC 67453
```

```
RESULT 6
US-10-468-356-648/C
; Sequence 648, Application US/10468356
; Publication No. US20040197896A1
; GENERAL INFORMATION:
; APPLICANT: COLE, STEWART
; TITLE OF INVENTION: COMPARATIVE MYCOBACTERIAL GENOMICS AS A TOOL FOR
; TITLE OF INVENTION: IDENTIFYING TARGETS FOR THE DIAGNOSIS, PROPHYLAXIS OR
; FILE REFERENCE: 05394.0019
; CURRENT APPLICATION NUMBER: US/10/468,356
; CURRENT FILING DATE: 2003-08-19
; PRIOR APPLICATION NUMBER: 10/080,170
; PRIOR FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/270,123
; PRIOR FILING DATE: 2001-02-22
; NUMBER OF SEQ ID NOS: 655
; SOFTWARE: PatentIn Ver. 3.2
; SEQ ID NO 648
; LENGTH: 86114
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
US-10-468-356-648
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Query Match          91.6%; Score 17.4; DB 8; Length 86114;
Best Local Similarity 94.7%; Pred. No. 1.4e+02;
Matches 18; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
Oy      1 GCGCAGCAGAAACGTCAGC 19
        |||||
Db      67471 GCGCAGCAGAAACGCCAGC 67453
```

```
RESULT 7
US-11-097-143-4295/C
; Sequence 4295, Application US/11097143
; Publication No. US20050208558A1
; GENERAL INFORMATION:
; APPLICANT: Venter, J. Craig
; APPLICANT: et al.
; TITLE OF INVENTION: DETECTION KIT, SUCH AS NUCLEIC ACID
; TITLE OF INVENTION: ARRAYS, FOR DETECTING EXPRESSION OF 10,000 OR MORE
; TITLE OF INVENTION: DROSOPHILA GENES.
```

```
FILE REFERENCE: CL000728
CURRENT APPLICATION NUMBER: US/11/097,143
CURRENT FILING DATE: 2005-04-04
PRIOR APPLICATION NUMBER: 60/157,832
PRIOR FILING DATE: 1999-10-05
PRIOR APPLICATION NUMBER: 60/160,191
PRIOR FILING DATE: 1999-10-19
PRIOR APPLICATION NUMBER: 60/161,932
PRIOR FILING DATE: 1999-10-28
PRIOR APPLICATION NUMBER: 60/164,769
PRIOR FILING DATE: 1999-11-12
PRIOR APPLICATION NUMBER: 60/173,383
PRIOR FILING DATE: 1999-12-28
PRIOR APPLICATION NUMBER: 60/175,693
PRIOR FILING DATE: 2000-01-12
PRIOR APPLICATION NUMBER: 60/184,831
PRIOR FILING DATE: 2000-02-24
PRIOR APPLICATION NUMBER: 60/191,637
PRIOR FILING DATE: 2000-03-23
NUMBER OF SEQ ID NOS: 43008
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 4295
LENGTH: 3013
TYPE: DNA
ORGANISM: DROSOPHILA
US-11-097-143-4295
```

```
Query Match      89.5%; Score 17; DB 10; Length 3013;
Best Local Similarity 100.0%; Pred. No. 2.3e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      1 GCGCAGCAGAAACGTC 17
          |||||
Db      339 GCGCAGCAGAAACGTC 323
```

RESULT 8

```
US-11-097-143-4294
Sequence 4294, Application US/11097143
Publication No. US20050208558A1
GENERAL INFORMATION:
APPLICANT: Venter, J. Craig
TITLE OF INVENTION: DETECTION KIT, SUCH AS NUCLEIC ACID
TITLE OF INVENTION: ARRAYS, FOR DETECTING EXPRESSION OF 10,000 OR MORE
FILE REFERENCE: CL000728
CURRENT APPLICATION NUMBER: US/11/097,143
CURRENT FILING DATE: 2005-04-04
PRIOR APPLICATION NUMBER: 60/157,832
PRIOR FILING DATE: 1999-10-05
PRIOR APPLICATION NUMBER: 60/160,191
PRIOR FILING DATE: 1999-10-19
PRIOR APPLICATION NUMBER: 60/161,932
PRIOR FILING DATE: 1999-10-28
PRIOR APPLICATION NUMBER: 60/164,769
PRIOR FILING DATE: 1999-11-12
PRIOR APPLICATION NUMBER: 60/173,383
PRIOR FILING DATE: 1999-12-28
PRIOR APPLICATION NUMBER: 60/175,693
PRIOR FILING DATE: 2000-01-12
PRIOR APPLICATION NUMBER: 60/184,831
PRIOR FILING DATE: 2000-02-24
PRIOR APPLICATION NUMBER: 60/191,637
PRIOR FILING DATE: 2000-03-23
NUMBER OF SEQ ID NOS: 43008
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 4294
LENGTH: 5239
TYPE: DNA
ORGANISM: DROSOPHILA
US-11-097-143-4294
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```
Query Match      89.5%; Score 17; DB 10; Length 5239;
Best Local Similarity 100.0%; Pred. No. 2.3e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY      1 GCGCAGCAGAAACGTC 17
          |||||
Db      3767 GCGCAGCAGAAACGTC 3783
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RESULT 9

```
US-10-487-901-5495/c
Sequence 5495, Application US/10487901
Publication No. US20050091708A1
GENERAL INFORMATION:
APPLICANT: Oreid, Jeremiah Vincent
APPLICANT: McCrery, David
APPLICANT: Pell, Randy
APPLICANT: Miller, Barbara
APPLICANT: Weglarz, Thadeus
APPLICANT: Gachotte, Daniel
APPLICANT: Blakelee, Beth
APPLICANT: Larrinua, Ignacio
APPLICANT: Reddy, Avulu
APPLICANT: Shukla, Vipula
APPLICANT: Crosley, Rodney
TITLE OF INVENTION: Nucleic Acid Compositions Conferring Altered Metabolic Characteri
FILE REFERENCE: DOM-08552
CURRENT APPLICATION NUMBER: US/10/487,901
CURRENT FILING DATE: 2004-02-26
NUMBER OF SEQ ID NOS: 7560
SOFTWARE: PatentIn version 3.1
SEQ ID NO 5495
LENGTH: 356
TYPE: DNA
ORGANISM: Artificial
FEATURE:
OTHER INFORMATION: Synthetic
US-10-487-901-5495
```

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Query Match      84.2%; Score 16; DB 9; Length 356;
Best Local Similarity 100.0%; Pred. No. 7.2e+02;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      1 GCGCAGCAGAAACGTC 16
          |||||
Db      71 GCGCAGCAGAAACGTC 56
```

RESULT 10

```
US-10-437-963-77644/c
Sequence 77644, Application US/10437963
Publication No. US20040123343A1
GENERAL INFORMATION:
APPLICANT: La Rosa, Thomas J.
APPLICANT: Kovalic, David K.
APPLICANT: Zhou, Yihua
APPLICANT: Cao, Yongwei
APPLICANT: Mu, Wei
APPLICANT: Boukharov, Andrey A.
APPLICANT: Barbazuk, Brad
APPLICANT: Li, Ping
TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated with
TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
FILE REFERENCE: 38-21(53221)B
CURRENT APPLICATION NUMBER: US/10/437,963
CURRENT FILING DATE: 2003-05-14
NUMBER OF SEQ ID NOS: 204966
SEQ ID NO 77644
LENGTH: 727
TYPE: DNA
ORGANISM: Oryza sativa
FEATURE:
OTHER INFORMATION: Clone ID: PAT_MRT4530_77521C.1
```


US-10-437-963-77644

Query Match 84.2%; Score 16; DB 7; Length 727;

Best Local Similarity 100.0%; Pred. No. 7.1e+02; Mismatches 0; Indels 0; Gaps 0;

QY 1 GCCGACGAGAAACGTC 16

DB 71 GCCGACGAGAAACGTC 56

RESULT 11

US-10-029-180-27

; Sequence 27, Application US/10029180

; Publication No. US20020182708A1

; GENERAL INFORMATION:

; APPLICANT: Call, Brian M.

; APPLICANT: Holtzman, Doug

; APPLICANT: Madden, Kevin T.

; APPLICANT: Milna, G. Todd

; APPLICANT: Sherman, Amir

; APPLICANT: Silva, Jeffrey C.

; APPLICANT: Trueheart, Josh

; TITLE OF INVENTION: No. US20020182708A1el Regulators of Fungal Gene Expression

; FILE REFERENCE: MTC-004

; CURRENT APPLICATION NUMBER: US/10/029,180

; CURRENT FILING DATE: 2001-12-22

; PRIOR APPLICATION NUMBER: US 60/257,431

; PRIOR FILING DATE: 2000-12-22

; NUMBER OF SEQ ID NOS: 138

; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 27

; LENGTH: 2043

; TYPE: DNA

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: fungal gene

; US-10-029-180-27

Query Match 84.2%; Score 16; DB 5; Length 2043;

Best Local Similarity 100.0%; Pred. No. 7e+02;

Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 3 GCAGCAGAAACGTCAG 18

DB 360 GCAGCAGAAACGTCAG 375

RESULT 12

US-10-952-045-27

; Sequence 27, Application US/10952045

; Publication No. US20050095633A1

; GENERAL INFORMATION:

; APPLICANT: Call, Brian M.

; APPLICANT: Holtzman, Doug

; APPLICANT: Madden, Kevin T.

; APPLICANT: Milna, G. Todd

; APPLICANT: Sherman, Amir

; APPLICANT: Silva, Jeffrey C.

; APPLICANT: Trueheart, Josh

; APPLICANT: Zhang, Lixin

; TITLE OF INVENTION: Novel Regulators of Fungal Gene Expression

; FILE REFERENCE: MTC-004

; CURRENT APPLICATION NUMBER: US/10/952,045

; CURRENT FILING DATE: 2004-09-28

; PRIOR APPLICATION NUMBER: US/10/029,180

; PRIOR FILING DATE: 2001-12-22

; PRIOR APPLICATION NUMBER: US 60/257,431

; PRIOR FILING DATE: 2000-12-22

; NUMBER OF SEQ ID NOS: 138

; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 27

; LENGTH: 2043

; TYPE: DNA

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: fungal gene

; US-10-952-045-27

Query Match 84.2%; Score 16; DB 9; Length 2043;

Best Local Similarity 100.0%; Pred. No. 7e+02; Mismatches 0; Indels 0; Gaps 0;

Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 3 GCAGCAGAAACGTCAG 18

DB 360 GCAGCAGAAACGTCAG 375

RESULT 13

US-11-097-143-23369

; Sequence 23369, Application US/11097143

; Publication No. US20050208558A1

; GENERAL INFORMATION:

; APPLICANT: Venter, J. Craig

; APPLICANT: et al.

; TITLE OF INVENTION: DETECTION KIT, SUCH AS NUCLEIC ACID

; TITLE OF INVENTION: ARRAYS, FOR DETECTING EXPRESSION OF 10,000 OR MORE

; FILE REFERENCE: CL000728

; CURRENT APPLICATION NUMBER: US/11/097,143

; CURRENT FILING DATE: 2005-04-04

; PRIOR APPLICATION NUMBER: 60/157,832

; PRIOR FILING DATE: 1999-10-05

; PRIOR APPLICATION NUMBER: 60/160,191

; PRIOR FILING DATE: 1999-10-19

; PRIOR APPLICATION NUMBER: 60/161,932

; PRIOR FILING DATE: 1999-10-28

; PRIOR APPLICATION NUMBER: 60/164,769

; PRIOR FILING DATE: 1999-11-12

; PRIOR APPLICATION NUMBER: 60/173,383

; PRIOR FILING DATE: 1999-12-28

; PRIOR APPLICATION NUMBER: 60/175,693

; PRIOR FILING DATE: 2000-01-12

; PRIOR APPLICATION NUMBER: 60/184,831

; PRIOR FILING DATE: 2000-02-24

; PRIOR APPLICATION NUMBER: 60/191,637

; PRIOR FILING DATE: 2000-03-23

; NUMBER OF SEQ ID NOS: 43008

; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 23369

; LENGTH: 2381

; TYPE: DNA

; ORGANISM: DROSOPHILA

; US-11-097-143-23369

Query Match 84.2%; Score 16; DB 10; Length 2381;

Best Local Similarity 100.0%; Pred. No. 7e+02; Mismatches 0; Indels 0; Gaps 0;

Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 4 CAGCAGAAACGTCAGC 19

DB 1455 CAGCAGAAACGTCAGC 1470

RESULT 14

US-11-097-143-23368/c

; Sequence 23368, Application US/11097143

; Publication No. US20050208558A1

; GENERAL INFORMATION:

; APPLICANT: Venter, J. Craig

; APPLICANT: et al.

; TITLE OF INVENTION: DETECTION KIT, SUCH AS NUCLEIC ACID

; TITLE OF INVENTION: ARRAYS, FOR DETECTING EXPRESSION OF 10,000 OR MORE

; FILE REFERENCE: CL000728

;; CURRENT APPLICATION NUMBER: US/11/097,143
;; CURRENT FILING DATE: 2005-04-04
;; PRIOR APPLICATION NUMBER: 60/157,832
;; PRIOR FILING DATE: 1999-10-05
;; PRIOR APPLICATION NUMBER: 60/160,191
;; PRIOR FILING DATE: 1999-10-19
;; PRIOR APPLICATION NUMBER: 60/161,932
;; PRIOR FILING DATE: 1999-10-28
;; PRIOR APPLICATION NUMBER: 60/164,769
;; PRIOR FILING DATE: 1999-11-12
;; PRIOR APPLICATION NUMBER: 60/173,383
;; PRIOR FILING DATE: 1999-12-28
;; PRIOR APPLICATION NUMBER: 60/175,693
;; PRIOR FILING DATE: 2000-01-12
;; PRIOR APPLICATION NUMBER: 60/184,831
;; PRIOR FILING DATE: 2000-02-24
;; PRIOR APPLICATION NUMBER: 60/191,637
;; PRIOR FILING DATE: 2000-03-23
;; NUMBER OF SEQ ID NOS: 43008
;; SOFTWARE: FastSeq for Windows Version 4.0
;; SEQ ID NO 23368
;; LENGTH: 4724
;; TYPE: DNA
;; ORGANISM: DROSOPHILA
US-11-097-143-23368

Query Match 84.2%; Score 16; DB 10; Length 4724;
Best Local Similarity 100.0%; Pred. No. 6.9e+02;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 4 CAGCAGAAACCTCAGC 19
Db 2062 CAGCAGAAACCTCAGC 2047

RESULT 15
US-09-918-995-28732/C
;; Sequence 28732, Application US/09918995
;; Publication No. US20030073623A1
;; GENERAL INFORMATION:
;; APPLICANT: Hyseq, Inc.
;; TITLE OF INVENTION: NOVEL NUCLEIC ACID SEQUENCES OBTAINED
;; FILE REFERENCE: 20411-756
;; CURRENT APPLICATION NUMBER: US/09/918,995
;; CURRENT FILING DATE: 2001-07-30
;; PRIOR APPLICATION NUMBER: US/09/235,076
;; PRIOR FILING DATE: 1999-01-20
;; NUMBER OF SEQ ID NOS: 38054
;; SOFTWARE: FastSeq for Windows Version 3.0
;; SEQ ID NO 28732
;; LENGTH: 452
;; TYPE: DNA
;; ORGANISM: Homo sapiens
;; FEATURE:
;; NAME/KEY: misc_feature
;; LOCATION: (1)..(452)
;; OTHER INFORMATION: n = A,T,C or G
US-09-918-995-28732

Query Match 83.2%; Score 15.8; DB 3; Length 452;
Best Local Similarity 89.5%; Pred. No. 9e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GCGCAGCAGAAACCTCAGC 19
Db 104 GCACAGCAGAAACCTCAGC 86

RESULT 16
US-09-884-441-68
;; Sequence 68, Application US/09884441
;; Patent No. US20020119158A1

;; GENERAL INFORMATION:
;; APPLICANT: Algate, Paul A.
;; APPLICANT: Carter, Darick
;; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
;; FILE REFERENCE: 210121.462C7
;; CURRENT APPLICATION NUMBER: US/09/884,441
;; CURRENT FILING DATE: 2001-06-18
;; NUMBER OF SEQ ID NOS: 489
;; SOFTWARE: FastSeq for Windows Version 3.0
;; SEQ ID NO 68
;; LENGTH: 511
;; TYPE: DNA
;; ORGANISM: Homo sapien
US-09-884-441-68

Query Match 83.2%; Score 15.8; DB 3; Length 511;
Best Local Similarity 89.5%; Pred. No. 9e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GCGCAGCAGAAACCTCAGC 19
Db 120 GCACAGCAGAAACCTCAGC 138

RESULT 17
US-09-907-969-68
;; Sequence 68, Application US/09907969
;; Publication No. US20030091580A1
;; GENERAL INFORMATION:
;; APPLICANT: Mitcham, Jennifer L.
;; APPLICANT: King, Gordon E.
;; APPLICANT: Algate, Paul A.
;; APPLICANT: Fling, Steven P.
;; APPLICANT: Retter, Marc W.
;; APPLICANT: Fanger, Gary Richard
;; APPLICANT: Reed, Steven G.
;; APPLICANT: Vedvick, Thomas S.
;; APPLICANT: Carter, Darick
;; APPLICANT: Hill, Paul
;; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
;; FILE REFERENCE: 210121.462C8
;; CURRENT APPLICATION NUMBER: US/09/907,969
;; CURRENT FILING DATE: 2001-07-17
;; NUMBER OF SEQ ID NOS: 596
;; SOFTWARE: FastSeq for Windows Version 4.0
;; SEQ ID NO 68
;; LENGTH: 511
;; TYPE: DNA
;; ORGANISM: Homo sapiens
US-09-907-969-68

Query Match 83.2%; Score 15.8; DB 3; Length 511;
Best Local Similarity 89.5%; Pred. No. 9e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GCGCAGCAGAAACCTCAGC 19
Db 120 GCACAGCAGAAACCTCAGC 138

RESULT 18
US-09-827-271-68
;; Sequence 68, Application US/09827271
;; Publication No. US20030165504A1
;; GENERAL INFORMATION:
;; APPLICANT: Retter, Marc W.
;; APPLICANT: Fanger, Gary R.
;; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
;; FILE REFERENCE: 210121.462C6

; CURRENT APPLICATION NUMBER: US/09/827,271
; CURRENT FILING DATE: 2001-04-04
; NUMBER OF SEQ ID NOS: 461
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 68
; LENGTH: 511
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-827-271-68

Query Match 83.2%; Score 15.8; DB 3; Length 511;
Best Local Similarity 89.5%; Pred. No. 9e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

OY 1 GCGCAGCAGAAAGCTCAGC 19
|||
Db 120 GCACAGCAGAAAGCTCAGC 138

RESULT 19
US-10-198-053-68
; Sequence 68, Application US/10198053
; Publication No. US20030124140A1
; GENERAL INFORMATION:
; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: Retter, Marc W.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Hill, Paul
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; TITLE OF INVENTION: AND DIAGNOSIS OF OVARIAN CANCER
; FILE REFERENCE: 210121.462C9
; CURRENT APPLICATION NUMBER: US/10/198,053
; CURRENT FILING DATE: 2002-07-17
; NUMBER OF SEQ ID NOS: 624
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 68
; LENGTH: 511
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-198-053-68

Query Match 83.2%; Score 15.8; DB 6; Length 511;
Best Local Similarity 89.5%; Pred. No. 9e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

OY 1 GCGCAGCAGAAAGCTCAGC 19
|||
Db 120 GCACAGCAGAAAGCTCAGC 138

RESULT 20
US-10-860-790-68
; Sequence 68, Application US/10860790
; Publication No. US20050031634A1
; GENERAL INFORMATION:
; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: Retter, Marc W.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Hill, Paul
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; TITLE OF INVENTION: AND DIAGNOSIS OF OVARIAN CANCER
; FILE REFERENCE: 210121.462C11
; CURRENT APPLICATION NUMBER: US/10/860,790
; CURRENT FILING DATE: 2004-06-02
; NUMBER OF SEQ ID NOS: 624
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 68
; LENGTH: 511
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-860-790-68

Query Match 83.2%; Score 15.8; DB 8; Length 511;

Best Local Similarity 89.5%; Pred. No. 9e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

OY 1 GCGCAGCAGAAAGCTCAGC 19
|||
Db 120 GCACAGCAGAAAGCTCAGC 138

RESULT 21
US-09-899-046-157
; Sequence 157, Application US/09899046
; Publication No. US20030008274A1
; GENERAL INFORMATION:
; APPLICANT:
; TITLE OF INVENTION: New sequences of hepatitis C virus
; TITLE OF INVENTION: genotypes for diagnosis, prophylaxis and therapy.
; NUMBER OF SEQUENCES: 270
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25 (EPO)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/899,046
; FILING DATE:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/362,455
; FILING DATE:
; INFORMATION FOR SEQ ID NO: 157:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 530 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 3..530
; FEATURE:
; NAME/KEY: mat peptide
; LOCATION: 3..527
US-09-899-046-157

Query Match 83.2%; Score 15.8; DB 3; Length 530;
Best Local Similarity 89.5%; Pred. No. 9e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

OY 1 GCGCAGCAGAAAGCTCAGC 19
|||
Db 240 GCGCAGCAGAAAGCTCAGC 258

RESULT 22
US-09-878-281-157
; Sequence 157, Application US/09878281
; Publication No. US20030032005A1
; GENERAL INFORMATION:
; APPLICANT:
; TITLE OF INVENTION: New sequences of hepatitis C virus
; TITLE OF INVENTION: genotypes for diagnosis, prophylaxis and therapy.
; NUMBER OF SEQUENCES: 270
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25 (EPO)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/878,281
; FILING DATE:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/362,455


```

CURRENT FILING DATE: 2003-04-28
NUMBER OF SEQ ID NOS: 285684
SEQ ID NO 96209
LENGTH: 1148
TYPE: DNA
ORGANISM: Glycine max
FEATURE:
OTHER INFORMATION:
US-10-424-599-96209

Query Match
Best Local Similarity 83.2%; Score 15.8; DB 7; Length 1148;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

      1 GCGCAGCAGAAAGCTCAGC 19
      ||| ||||| ||| |||
Db      472 GCACAGCAGAAACGACAGC 490

RESULT 28
US-10-450-763-26070/c
; Sequence 26070, Application US/10450763
; Publication No. US20050196754A1
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc
; TITLE OR INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES
; FILE REFERENCE: 790CIP3/US
; CURRENT APPLICATION NUMBER: US/10/450,763
; CURRENT FILING DATE: 2003-06-11
; PRIOR APPLICATION NUMBER: PCT/US01/08631
; PRIOR FILING DATE: 2001-03-30
; PRIOR APPLICATION NUMBER: 09/540,217
; PRIOR FILING DATE: 2000-03-31
; PRIOR APPLICATION NUMBER: 09/649,167
; PRIOR FILING DATE: 2000-08-23
; NUMBER OF SEQ ID NOS: 60736
; SOFTWARE: Custom
; SEQ ID NO 26070
; LENGTH: 1638
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SIMILAR
; LOCATION: (1)..(681)
; OTHER INFORMATION: 97% homologous to Escherichia coli HsM-1like integral
; OTHER INFORMATION: membrane protein (phm), accession number J05260, Smith-Waterman
US-10-450-763-26070

Query Match
Best Local Similarity 83.2%; Score 15.8; DB 9; Length 1638;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

      1 GCGCAGCAGAAAGCTCAGC 19
      ||| ||||| ||| |||
Db      1503 GCGCAGCAGAGACATCAGC 1485

RESULT 29
US-10-788-792-101/c
; Sequence 101, Application US/10788792
; Publication No. US20040191819A1
; GENERAL INFORMATION:
; APPLICANT: Bayer Pharmaceuticals Corporation
; APPLICANT: Eveleigh, Deepa
; TITLE OR INVENTION: EXPRESSION PROFILES FOR BREAST CANCER AND METHODS OF USE
; FILE REFERENCE: 5152
; CURRENT APPLICATION NUMBER: US/10/788,792
; CURRENT FILING DATE: 2004-02-27
; PRIOR APPLICATION NUMBER: US 60/450,655
; PRIOR FILING DATE: 2003-02-28
; NUMBER OF SEQ ID NOS: 254

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; SOFTWARE: Patentin version 3.2
; SEQ ID NO 101
; LENGTH: 1720
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-788-792-101

Query Match      83.2%; Score 15.8; DB 8; Length 1720;
Best Local Similarity 89.5%; Pred. No. 8.8e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

OY      1 GCGCAGCAGAAACGTCAGC 19
Db      330 GCACAGCAGAAACGCCAGC 312

RESULT 30
US-10-450-763-18273/C
; Sequence 18273, Application US/10450763
; Publication No. US20050196754A1
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc
; TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES
; FILE REFERENCE: 790CIP3/US
; CURRENT APPLICATION NUMBER: US/10/450,763
; CURRENT FILING DATE: 2003-06-11
; PRIOR APPLICATION NUMBER: PCT/US01/08631
; PRIOR FILING DATE: 2001-03-30
; PRIOR APPLICATION NUMBER: 09/540,217
; PRIOR FILING DATE: 2000-03-31
; PRIOR APPLICATION NUMBER: 09/649,167
; PRIOR FILING DATE: 2000-08-23
; NUMBER OF SEQ ID NOS: 60736
; SOFTWARE: Custom
; SEQ ID NO 18273
; LENGTH: 1901
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SIMILAR
; LOCATION: (720)..(1898)
; OTHER INFORMATION: 96% homologous to Escherichia coli K12
; OTHER INFORMATION: phosphopentomutase,accession number AE000508, Smith-Waterman Score
US-10-450-763-18273

Query Match      83.2%; Score 15.8; DB 9; Length 1901;
Best Local Similarity 89.5%; Pred. No. 8.8e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

OY      1 GCGCAGCAGAAACGTCAGC 19
Db      1688 GCGCAGCAGAGACATCAGC 1670

RESULT 31
US-09-974-300-2294/C
; Sequence 2294, Application US/09974300
; Patent No. US20020146721A1
; GENERAL INFORMATION:
; APPLICANT: Berka, Randy M.
; APPLICANT: Clausen, Ib Groth
; TITLE OF INVENTION: Methods For Monitoring Multiple Gene
; FILE REFERENCE: 10085-500-US
; CURRENT APPLICATION NUMBER: US/09/974,300
; CURRENT FILING DATE: 2001-10-05
; PRIOR APPLICATION NUMBER: 09/680,598
; PRIOR FILING DATE: 2000-10-06
; PRIOR APPLICATION NUMBER: 60/279,526
; PRIOR FILING DATE: 2001-03-27
; NUMBER OF SEQ ID NOS: 8481
; SOFTWARE: FastSeq for Windows Version 4.0
```

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; SEQ ID NO 2294
; LENGTH: 1917
; TYPE: DNA
; ORGANISM: Bacillus licheniformis
US-09-974-300-2294

Query Match      83.2%; Score 15.8; DB 3; Length 1917;
Best Local Similarity 89.5%; Pred. No. 8.8e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

OY      1 GCGCAGCAGAAACGTCAGC 19
Db      523 GCGAGCAGAAATCTCAGC 505

RESULT 32
US-10-264-237-541/C
; Sequence 541, Application US/10264237
; Publication No. US20040009491A1
; GENERAL INFORMATION:
; APPLICANT: Biree et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PA131P1
; CURRENT APPLICATION NUMBER: US/10/264,237
; CURRENT FILING DATE: 2002-10-04
; PRIOR APPLICATION NUMBER: PCT/US01/16450
; PRIOR FILING DATE: 2001-05-18
; PRIOR APPLICATION NUMBER: US 60/205,515
; PRIOR FILING DATE: 2000-05-19
; NUMBER OF SEQ ID NOS: 2876
; SOFTWARE: Patentin Ver. 3.1
; SEQ ID NO 541
; LENGTH: 1943
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-264-237-541

Query Match      83.2%; Score 15.8; DB 6; Length 1943;
Best Local Similarity 89.5%; Pred. No. 8.8e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

OY      1 GCGCAGCAGAAACGTCAGC 19
Db      548 GCACAGCAGAAACGCCAGC 530

RESULT 33
US-09-925-300-529/C
; Sequence 529, Application US/09925300
; Patent No. US20020151681A1
; GENERAL INFORMATION:
; APPLICANT: Craig Rosen,
; APPLICANT: Steve Ruben
; TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies
; FILE REFERENCE: PA101
; CURRENT APPLICATION NUMBER: US/09/925,300
; CURRENT FILING DATE: 2001-08-10
; PRIOR APPLICATION NUMBER: PCT/US00/05988
; PRIOR FILING DATE: 2000-03-08
; PRIOR APPLICATION NUMBER: 60/124,270
; PRIOR FILING DATE: 1999-03-12
; NUMBER OF SEQ ID NOS: 1890
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 529
; LENGTH: 1944
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (568)
; OTHER INFORMATION: n equals a,t,g, or c
US-09-925-300-529
```

Query Match 83.2%; Score 15.8; DB 3; Length 1944;
Best Local Similarity 89.5%; Pred. No. 8.8e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GCGCAGCAGAAAGCTCAGC 19
Db 548 GCACAGCAGAAACGCCAGC 530

RESULT 34
US-10-264-049-177
; Sequence 177, Application US/10264049
; Publication No. US20040005579A1
; GENERAL INFORMATION:
; APPLICANT: Birsse et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PA133P1
; CURRENT APPLICATION NUMBER: US/10/264, 049
; CURRENT FILING DATE: 2002-10-04
; PRIOR APPLICATION NUMBER: PCT/US01/18569
; PRIOR FILING DATE: 2001-06-07
; PRIOR APPLICATION NUMBER: 60/209,467
; PRIOR FILING DATE: 2000-06-07
; NUMBER OF SEQ ID NOS: 4360
; SOFTWARE: PatentIn Ver. 3.1
; SEQ ID NO 177
; LENGTH: 1948
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1940)..(1941)
; OTHER INFORMATION: n equals a,t,g, or c
US-10-264-049-177

Query Match 83.2%; Score 15.8; DB 6; Length 1948;
Best Local Similarity 89.5%; Pred. No. 8.8e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GCGCAGCAGAAAGCTCAGC 19
Db 1377 GCACAGCAGAAACGCCAGC 1395

RESULT 35
US-10-363-616-227/c
; Sequence 227, Application US/10363616
; Publication No. US20040044181A1
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc
; TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES
; FILE REFERENCE: 21272-113 (793)
; CURRENT APPLICATION NUMBER: US/10/363, 616
; CURRENT FILING DATE: 2003-03-03
; PRIOR APPLICATION NUMBER: 09/654,935
; PRIOR FILING DATE: 2000-09-01
; NUMBER OF SEQ ID NOS: 490
; SEQ ID NO 227
; LENGTH: 2058
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (582)..(1025)
US-10-363-616-227

Query Match 83.2%; Score 15.8; DB 7; Length 2058;
Best Local Similarity 89.5%; Pred. No. 8.8e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GCGCAGCAGAAAGCTCAGC 19
Db 701 GCACAGCAGAAACGCCAGC 683

RESULT 36
US-10-450-763-12625/c
; Sequence 12625, Application US/10450763
; Publication No. US20050196754A1
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc
; TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES
; FILE REFERENCE: 790CIP3/US
; CURRENT APPLICATION NUMBER: US/10/450, 763
; CURRENT FILING DATE: 2003-06-11
; PRIOR APPLICATION NUMBER: PCT/US01/08631
; PRIOR FILING DATE: 2001-03-30
; PRIOR APPLICATION NUMBER: 09/540,217
; PRIOR FILING DATE: 2000-03-31
; PRIOR APPLICATION NUMBER: 09/649,167
; PRIOR FILING DATE: 2000-08-23
; NUMBER OF SEQ ID NOS: 60736
; SOFTWARE: Custom
; SEQ ID NO 12625
; LENGTH: 2150
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SIMILAR
; LOCATION: (1)..(714)
; OTHER INFORMATION: 100% homologous to Cloning vector pZC320 SopA, accession
US-10-450-763-12625

Query Match 83.2%; Score 15.8; DB 9; Length 2150;
Best Local Similarity 89.5%; Pred. No. 8.8e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GCGCAGCAGAAAGCTCAGC 19
Db 296 GCGCAGCAGCACCTCAGC 278

RESULT 37
US-10-788-792-113/c
; Sequence 113, Application US/10788792
; Publication No. US20040191819A1
; GENERAL INFORMATION:
; APPLICANT: Bayer Pharmaceuticals Corporation
; APPLICANT: Eyleigh, Deepa
; TITLE OF INVENTION: EXPRESSION PROFILES FOR BREAST CANCER AND METHODS OF USE
; FILE REFERENCE: 5152
; CURRENT APPLICATION NUMBER: US/10/788, 792
; CURRENT FILING DATE: 2004-02-27
; PRIOR APPLICATION NUMBER: US 60/450,655
; PRIOR FILING DATE: 2003-02-28
; NUMBER OF SEQ ID NOS: 254
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 113
; LENGTH: 2732
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-788-792-113

Query Match 83.2%; Score 15.8; DB 8; Length 2732;
Best Local Similarity 89.5%; Pred. No. 8.7e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GCGCAGCAGAAAGCTCAGC 19
Db 1657 GCACAGCAGAAACGCCAGC 1639

RESULT 38
US-11-097-143-12104

```
; Sequence 12104, Application US/11097143
; Publication No. US20050208558A1
; GENERAL INFORMATION:
; APPLICANT: Venter, J. Craig
; APPLICANT: et al.
; TITLE OF INVENTION: DETECTION KIT, SUCH AS NUCLEIC ACID
; TITLE OF INVENTION: ARRAYS, FOR DETECTING EXPRESSION OF 10,000 OR MORE
; TITLE OF INVENTION: DROSOPHILA GENES.
; FILE REFERENCE: C1000728
; CURRENT APPLICATION NUMBER: US/11/097,143
; PRIOR FILING DATE: 2005-04-04
; PRIOR APPLICATION NUMBER: 60/157,832
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: 60/160,191
; PRIOR FILING DATE: 1999-10-19
; PRIOR APPLICATION NUMBER: 60/161,932
; PRIOR FILING DATE: 1999-10-28
; PRIOR APPLICATION NUMBER: 60/164,769
; PRIOR FILING DATE: 1999-11-12
; PRIOR APPLICATION NUMBER: 60/173,383
; PRIOR FILING DATE: 1999-12-28
; PRIOR APPLICATION NUMBER: 60/175,693
; PRIOR FILING DATE: 2000-01-12
; PRIOR APPLICATION NUMBER: 60/184,831
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: 60/191,637
; PRIOR FILING DATE: 2000-03-23
; NUMBER OF SEQ ID NOS: 43008
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 12104
; LENGTH: 2759
; TYPE: DNA
; ORGANISM: DROSOPHILA
US-11-097-143-12104

Query March      83.2%; Score 15.8; DB 10; Length 2759;
Best Local Similarity 89.5%; Pred. No. 8.7e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
```

```
; Sequence 41144, Application US/11097143
; Publication No. US20050208558A1
; GENERAL INFORMATION:
; APPLICANT: Venter, J. Craig
; APPLICANT: et al.
; TITLE OF INVENTION: DETECTION KIT, SUCH AS NUCLEIC ACID
; TITLE OF INVENTION: ARRAYS, FOR DETECTING EXPRESSION OF 10,000 OR MORE
; TITLE OF INVENTION: DROSOPHILA GENES.
; FILE REFERENCE: C1000728
; CURRENT APPLICATION NUMBER: US/11/097,143
; PRIOR FILING DATE: 2005-04-04
; PRIOR APPLICATION NUMBER: 60/157,832
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: 60/160,191
; PRIOR FILING DATE: 1999-10-19
; PRIOR APPLICATION NUMBER: 60/161,932
; PRIOR FILING DATE: 1999-10-28
; PRIOR APPLICATION NUMBER: 60/164,769
; PRIOR FILING DATE: 1999-11-12
; PRIOR APPLICATION NUMBER: 60/173,383
; PRIOR FILING DATE: 1999-12-28
; PRIOR APPLICATION NUMBER: 60/175,693
; PRIOR FILING DATE: 2000-01-12
; PRIOR APPLICATION NUMBER: 60/184,831
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: 60/191,637
; PRIOR FILING DATE: 2000-03-23
; NUMBER OF SEQ ID NOS: 43008
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 41144
; LENGTH: 4428
; TYPE: DNA
; ORGANISM: DROSOPHILA
US-11-097-143-41144

Query March      83.2%; Score 15.8; DB 10; Length 4428;
Best Local Similarity 89.5%; Pred. No. 8.7e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
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QY      1 GCGCAGCAGAAACGTCAGC 19
      |||||
DB      1417 GAGCAGCAGAAACGTCAGC 1435

RESULT 39
US-10-108-260A-2180/c
; Sequence 2180, Application US/10108260A
; Publication No. US20040005560A1
; GENERAL INFORMATION:
; APPLICANT: HELIX RESEARCH INSTITUTE
; TITLE OF INVENTION: NO. US20040005560A1e1 full length cDNA
; FILE REFERENCE: H1-A0106
; CURRENT APPLICATION NUMBER: US/10/108,260A
; CURRENT FILING DATE: 2002-03-27
; NUMBER OF SEQ ID NOS: 5458
; SOFTWARE: PatemIn Ver. 2.1
; SEQ ID NO 2180
; LENGTH: 2879
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-108-260A-2180

Query Match      83.2%; Score 15.8; DB 6; Length 2879;
Best Local Similarity 89.5%; Pred. No. 8.7e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
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QY      1 GCGCAGCAGAAACGTCAGC 19
      |||||
DB      3123 GCTCAGCAGAAACGTCAGC 3141

RESULT 41
US-10-037-270-266/c
; Sequence 266, Application US/10037270
; Publication No. US20030104529A1
; GENERAL INFORMATION:
; APPLICANT: Tang, Y. Tom
; APPLICANT: Liu, Chenghua
; APPLICANT: Asundi, Vinod
; APPLICANT: Zhang, Jie
; APPLICANT: Ren, Feiyan
; APPLICANT: Chen, Rui-hong
; APPLICANT: Zhao, Qing A.
; APPLICANT: Wenman, Tom
; APPLICANT: Xue, Aidong J.
; APPLICANT: Yang, Yonghong
; APPLICANT: Wang, Jian-Rui
; APPLICANT: Zhou, Ping
; APPLICANT: Ma, Yunqing
; APPLICANT: Wang, Dunrui
; APPLICANT: Wang, Zhiwei
; APPLICANT: Tillinghast, John
; APPLICANT: Drmanac, Radote T.
; TITLE OF INVENTION: No. US20030104529A1e1 Nucleic Acids and
; FILE REFERENCE: 784CIP2B
; CURRENT APPLICATION NUMBER: US/10/037,270
; CURRENT FILING DATE: 2002-01-04
; PRIOR APPLICATION NUMBER: 09/552,317
; PRIOR FILING DATE: 2000-04-25
```


PRIOR APPLICATION NUMBER: 09/488,725
PRIOR FILING DATE: 2000-01-21
NUMBER OF SEQ ID NOS: 1104
SOFTWARE: pc_fl_genes Version 1.0
SEQ ID NO 266
LENGTH: 4549
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: (186)..(3362)
US-10-037-270-266

Query Match 83.2%; Score 15.8; DB 5; Length 4549;
Best Local Similarity 89.5%; Pred. No. 8.7e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GCGCAGCAGAAAGCTCAGC 19
Db 1901 GCGCAGCAGCAGCCTCAGC 1883

RESULT 42
US-10-117-722-266/c
Sequence 266, Application US/10117722
Publication No. US20030219744A1
GENERAL INFORMATION:
APPLICANT: Tang, Y. Tom
APPLICANT: Liu, Chenghua
APPLICANT: Asundi, Vinod
APPLICANT: Zhang, Jie
APPLICANT: Drmanac, Radoje T.
TITLE OF INVENTION: No. US20030219744A1el Nucleic Acids and
FILE REFERENCE: 784CIP2BCIP
CURRENT APPLICATION NUMBER: US/10/117,722
CURRENT FILING DATE: 2002-04-04
PRIOR APPLICATION NUMBER: 09/620,312
PRIOR FILING DATE: 2000-07-19
PRIOR APPLICATION NUMBER: 09/552,317
PRIOR FILING DATE: 2000-04-25
PRIOR APPLICATION NUMBER: 09/488,725
PRIOR FILING DATE: 2000-01-21
NUMBER OF SEQ ID NOS: 1104
SOFTWARE: pc_fl_genes Version 1.0
SEQ ID NO 266
LENGTH: 4549
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: (186)..(3362)
US-10-117-722-266

Query Match 83.2%; Score 15.8; DB 6; Length 4549;
Best Local Similarity 89.5%; Pred. No. 8.7e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GCGCAGCAGAAAGCTCAGC 19
Db 1901 GCGCAGCAGCAGCCTCAGC 1883

RESULT 43
US-10-122-851-266/c
Sequence 266, Application US/10122851
Publication No. US20050239060A1
GENERAL INFORMATION:
APPLICANT: Tang, Y. Tom
APPLICANT: Liu, Chenghua
APPLICANT: Asundi, Vinod
APPLICANT: Ren, Feiyan
APPLICANT: Drmanac, Radoje T.

TITLE OF INVENTION: Novel Nucleic Acids and
TITLE OF INVENTION: Polypeptides
FILE REFERENCE: 784CIP2BDV3
CURRENT APPLICATION NUMBER: US/10/122,851
CURRENT FILING DATE: 2002-04-12
PRIOR APPLICATION NUMBER: 09/552,312
PRIOR FILING DATE: 2000-07-19
PRIOR APPLICATION NUMBER: 09/552,317
PRIOR FILING DATE: 2000-04-25
PRIOR APPLICATION NUMBER: 09/488,725
PRIOR FILING DATE: 2000-01-21
SOFTWARE: pc_fl_genes Version 1.0
SEQ ID NO 266
LENGTH: 4549
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: (186)..(3362)
US-10-122-851-266

Query Match 83.2%; Score 15.8; DB 9; Length 4549;
Best Local Similarity 89.5%; Pred. No. 8.7e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GCGCAGCAGAAAGCTCAGC 19
Db 1901 GCGCAGCAGCAGCCTCAGC 1883

RESULT 44
US-10-037-270-267/c
Sequence 267, Application US/10037270
Publication No. US20030104529A1
GENERAL INFORMATION:
APPLICANT: Tang, Y. Tom
APPLICANT: Liu, Chenghua
APPLICANT: Asundi, Vinod
APPLICANT: Zhang, Jie
APPLICANT: Ren, Feiyan
APPLICANT: Chen, Rui-hong
APPLICANT: Zhao, Qing A.
APPLICANT: Wehrman, Tom
APPLICANT: Xue, Aidong J.
APPLICANT: Yang, Yongshong
APPLICANT: Wang, Jian-Rui
APPLICANT: Zhou, Ping
APPLICANT: Ma, Yundong
APPLICANT: Wang, Dunrui
APPLICANT: Wang, Zhiwei
APPLICANT: Tillinghast, John
APPLICANT: Drmanac, Radoje T.
TITLE OF INVENTION: No. US20030104529A1el Nucleic Acids and
FILE REFERENCE: 784CIP2B
CURRENT APPLICATION NUMBER: US/10/037,270
CURRENT FILING DATE: 2002-01-04
PRIOR APPLICATION NUMBER: 09/552,317
PRIOR FILING DATE: 2000-04-25
PRIOR APPLICATION NUMBER: 09/488,725
PRIOR FILING DATE: 2000-01-21
NUMBER OF SEQ ID NOS: 1104
SOFTWARE: pc_fl_genes Version 1.0
SEQ ID NO 267
LENGTH: 4942
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: (186)..(3755)
US-10-037-270-267

Query Match 83.2%; Score 15.8; DB 5; Length 4942;
Best Local Similarity 89.5%; Pred. No. 8.7e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 1 GCGCAGCAGAAACGTCAGC 19
Db 1901 GCGCAGCAGCACCTCAGC 1883

RESULT 45
US-10-117-722-267/c
; Sequence 267, Application US/10117722
; Publication No. US20030219744A1
; GENERAL INFORMATION:
; APPLICANT: Tang, Y. Tom
; APPLICANT: Liu, Chenghua
; APPLICANT: Asundi, Vinod
; APPLICANT: Zhang, Jie
; APPLICANT: Dramac, Radoje T.
; TITLE OF INVENTION: No. US20030219744A1 Nucleic Acids and
; FILE REFERENCE: 784CIP28CIP
; CURRENT APPLICATION NUMBER: US/10/117,722
; PRIOR FILING DATE: 2002-04-04
; PRIOR APPLICATION NUMBER: 09/620,312
; PRIOR FILING DATE: 2000-07-19
; PRIOR APPLICATION NUMBER: 09/552,317
; PRIOR FILING DATE: 2000-04-25
; PRIOR APPLICATION NUMBER: 09/488,725
; PRIOR FILING DATE: 2000-01-21
; NUMBER OF SEQ ID NOS: 1104
; SOFTWARE: pt_FL_genes Version 1.0
; SEQ ID NO 267
; LENGTH: 4942
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (186)..(3755)
US-10-117-722-267

Query Match 83.2%; Score 15.8; DB 6; Length 4942;
Best Local Similarity 89.5%; Pred. No. 8.7e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 1 GCGCAGCAGAAACGTCAGC 19
Db 1901 GCGCAGCAGCACCTCAGC 1883

RESULT 46
US-10-122-851-267/c
; Sequence 267, Application US/10122851
; Publication No. US20050239060A1
; GENERAL INFORMATION:
; APPLICANT: Tang, Y. Tom
; APPLICANT: Liu, Chenghua
; APPLICANT: Asundi, Vinod
; APPLICANT: Ren, Feiyan
; APPLICANT: Dramac, Radoje T.
; TITLE OF INVENTION: Novel Nucleic Acids and
; FILE REFERENCE: 784CIP28DV3
; CURRENT APPLICATION NUMBER: US/10/122,851
; PRIOR FILING DATE: 2002-04-12
; PRIOR APPLICATION NUMBER: 09/620,312
; PRIOR FILING DATE: 2000-07-19
; PRIOR APPLICATION NUMBER: 09/552,317
; PRIOR FILING DATE: 2000-04-25
; PRIOR APPLICATION NUMBER: 09/488,725
; PRIOR FILING DATE: 2000-01-21
; NUMBER OF SEQ ID NOS: 1104
; SOFTWARE: pt_FL_genes Version 1.0

; SEQ ID NO 267
; LENGTH: 4942
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (186)..(3755)
US-10-122-851-267

Query Match 83.2%; Score 15.8; DB 9; Length 4942;
Best Local Similarity 89.5%; Pred. No. 8.7e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 1 GCGCAGCAGAAACGTCAGC 19
Db 1901 GCGCAGCAGCACCTCAGC 1883

RESULT 47
US-10-182-006-3/c
; Sequence 3, Application US/10182006
; Publication No. US20040048250A1
; GENERAL INFORMATION:
; APPLICANT: Warner-Lambert Company
; TITLE OF INVENTION: GENE ENCODING ABC-1 PARALOG AND THE POLYPEPTIDE DERIVED
; FILE REFERENCE: National Filing
; CURRENT APPLICATION NUMBER: US/10/182,006
; PRIOR FILING DATE: 2002-07-23
; PRIOR APPLICATION NUMBER: PCT/US01/02191
; PRIOR FILING DATE: 2001-01-23
; PRIOR APPLICATION NUMBER: 60/177,889
; PRIOR FILING DATE: 2000-01-24
; PRIOR APPLICATION NUMBER: 60/215,405
; PRIOR FILING DATE: 2000-06-30
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: Patentm Ver. 2.1
; SEQ ID NO 3
; LENGTH: 5669
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-182-006-3

Query Match 83.2%; Score 15.8; DB 7; Length 5669;
Best Local Similarity 89.5%; Pred. No. 8.6e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 1 GCGCAGCAGAAACGTCAGC 19
Db 495 GCGCAGCAGTGACGTCAGC 477

RESULT 48
US-11-097-143-12103
; Sequence 12103, Application US/11097143
; Publication No. US20050208558A1
; GENERAL INFORMATION:
; APPLICANT: Venter, J. Craig
; APPLICANT: et al.
; TITLE OF INVENTION: DETECTION KIT, SUCH AS NUCLEIC ACID
; TITLE OF INVENTION: ARRAYS, FOR DETECTING EXPRESSION OF 10,000 OR MORE
; FILE REFERENCE: CLO00728
; CURRENT APPLICATION NUMBER: US/11/097,143
; PRIOR FILING DATE: 2005-04-04
; PRIOR APPLICATION NUMBER: 60/157,832
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: 60/160,191
; PRIOR FILING DATE: 1999-10-19
; PRIOR APPLICATION NUMBER: 60/161,932
; PRIOR FILING DATE: 1999-10-28
; PRIOR APPLICATION NUMBER: 60/164,769
; PRIOR FILING DATE: 1999-11-12

;; PRIOR APPLICATION NUMBER: 60/173,383
;; PRIOR FILING DATE: 1999-12-28
;; PRIOR APPLICATION NUMBER: 60/175,693
;; PRIOR FILING DATE: 2000-01-12
;; PRIOR APPLICATION NUMBER: 60/184,831
;; PRIOR FILING DATE: 2000-02-24
;; PRIOR APPLICATION NUMBER: 60/191,637
;; PRIOR FILING DATE: 2000-03-23
;; NUMBER OF SEQ ID NOS: 43008
;; SOFTWARE: FastSeq for Windows Version 4.0
;; SEQ ID NO 12103
;; LENGTH: 6320
;; TYPE: DNA
;; ORGANISM: DROSOPHILA
US-11-097-143-12103

Query Match 83.2%; Score 15.8; DB 10; Length 6320;
Best Local Similarity 89.5%; Pred. No. 8.6e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GCCGACGAGAAGCTCAGC 19
Db 3548 GAGCAGCAGAGAGCTCAGC 3566

RESULT 49
US-10-114-270-175/C
;; Sequence 175, Application US/10114270
;; Publication No. US20040030110A1
;; GENERAL INFORMATION:
;; APPLICANT: Guo, Xiaojia
;; APPLICANT: Kekuda, Ramesh
;; APPLICANT: Miller, Charles E.
;; APPLICANT: Malyankar, Uziel M.
;; APPLICANT: Spytek, Kimberly A.
;; APPLICANT: Pattnajan, Meera
;; APPLICANT: Liu, Ziaohong
;; APPLICANT: Gusev, Vladimir Y.
;; APPLICANT: Li, Li
;; APPLICANT: Verne, Corine
;; APPLICANT: Zethusen, Bryan D.
;; APPLICANT: Gorman, Linda
;; APPLICANT: Shenoy, Suresh G.
;; APPLICANT: Pena, Carol E.A.
;; APPLICANT: Smithson, Glenda
;; APPLICANT: Burgess, Catherine E.
;; APPLICANT: Gerlach, Valerie
;; APPLICANT: Padigaru, Muralidhara
;; APPLICANT: Shinkets, Richard A.
;; APPLICANT: Gangolli, Esha A.
;; APPLICANT: Taupier Jr., Raymond J.
;; APPLICANT: Caeman, Stacie J.
;; APPLICANT: Ji, Weizhen
;; APPLICANT: Anderson, David W.
;; APPLICANT: Liete, Mario W.
;; APPLICANT: Edinger, Shiomit R.
;; APPLICANT: Stone, David J.
;; APPLICANT: Macdougall, John R.
;; APPLICANT: Rothenberg, Mark E.
;; TITLE OF INVENTION: No. US20040030110A1 Proteins and Nucleic Acids Encoding Same
;; FILE REFERENCE: 21402-322C
;; CURRENT APPLICATION NUMBER: US/10/114,270
;; CURRENT FILING DATE: 2002-11-27
;; PRIOR APPLICATION NUMBER: 60/281,086
;; PRIOR FILING DATE: 2001-04-03
;; PRIOR APPLICATION NUMBER: 60/281,136
;; PRIOR FILING DATE: 2001-04-03
;; PRIOR APPLICATION NUMBER: 60/281,863
;; PRIOR FILING DATE: 2001-04-05
;; PRIOR APPLICATION NUMBER: 60/281,906
;; PRIOR FILING DATE: 2001-04-05
;; PRIOR APPLICATION NUMBER: 60/282,020

;; PRIOR FILING DATE: 2001-04-06
;; PRIOR APPLICATION NUMBER: 60/282,930
;; PRIOR FILING DATE: 2001-04-10
;; PRIOR APPLICATION NUMBER: 60/282,934
;; PRIOR FILING DATE: 2001-04-10
;; PRIOR APPLICATION NUMBER: 60/283,512
;; PRIOR FILING DATE: 2001-04-12
;; PRIOR APPLICATION NUMBER: 60/283,710
;; PRIOR FILING DATE: 2001-04-13
;; PRIOR APPLICATION NUMBER: 60/284,234
;; PRIOR FILING DATE: 2001-04-17
;; Remaining Prior Application data removed - See File Wrapper or PALM.
;; NUMBER OF SEQ ID NOS: 470
;; SEQ ID NO 175
;; LENGTH: 6327
;; TYPE: DNA
;; ORGANISM: Homo sapiens
;; FEATURE:
;; NAME/KEY: CDS
;; LOCATION: (1)..(6178)
US-10-114-270-175

Query Match 83.2%; Score 15.8; DB 7; Length 6327;
Best Local Similarity 89.5%; Pred. No. 8.6e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GCCGACGAGAAGCTCAGC 19
Db 495 GCCGACGAGTGCCTCAGC 477

RESULT 50
US-09-858-194-3/C
;; Sequence 3, Application US/09858194
;; Patent No. US20020061590A1
;; GENERAL INFORMATION:
;; APPLICANT: GLUCKSMANN, MARIA
;; APPLICANT: CURTIS, RORY A.J.
;; TITLE OF INVENTION: 38594, A NOVEL HUMAN TRANSPORTER AND USES THEREOF
;; FILE REFERENCE: NMT-153
;; CURRENT APPLICATION NUMBER: US/09/858,194
;; CURRENT FILING DATE: 2001-05-14
;; PRIOR APPLICATION NUMBER: 60/204,211
;; PRIOR FILING DATE: 2000-05-12
;; NUMBER OF SEQ ID NOS: 3
;; SOFTWARE: PatentIn Ver. 2.0
;; SEQ ID NO 3
;; LENGTH: 6432
;; TYPE: DNA
;; ORGANISM: Homo sapiens
;; FEATURE:
;; NAME/KEY: CDS
;; LOCATION: (1)..(6432)
US-09-858-194-3

Query Match 83.2%; Score 15.8; DB 3; Length 6432;
Best Local Similarity 89.5%; Pred. No. 8.6e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GCCGACGAGAAGCTCAGC 19
Db 489 GCCGACGAGTGCCTCAGC 471

Search completed: January 12, 2006, 01:21:10
Job time : 492.119 secs

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OM nucleic - nucleic search, using sw model

Run on: January 11, 2006, 21:29:07 ; Search time 258.915 Seconds
(without alignments)
59.392 Million cell updates/sec

Title: US-10-086-206a-5
Perfect score: 19
Sequence: 1 gcgcacagcaaacgcacgc 19

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 6038814 seqs, 404674181 residues

Total number of hits satisfying chosen parameters: 12077628

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 1000 summaries

Database :

Published Applications NA.New:*
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2: /cgn2_6/ptcodata/2/pubpna/US06_NEW_PUB.seq:*
3: /cgn2_6/ptcodata/2/pubpna/US07_NEW_PUB.seq:*
4: /cgn2_6/ptcodata/2/pubpna/PCT_NEW_PUB.seq:*
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10: /cgn2_6/ptcodata/2/pubpna/US60_NEW_PUB.seq:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	15.8	83.2	43436	6	US-10-995-561-13240 Sequence 13240, A
2	15.8	83.2	168516	7	US-11-121-086-3 Sequence 3, Appl1
3	15.4	81.1	186442	7	US-11-121-086-104 Sequence 104, App
4	15.4	81.1	212805	7	US-11-112-908-19 Sequence 19, Appl
5	15	78.9	201	6	US-10-995-561-20739 Sequence 20739, A
6	14.8	77.9	220	7	US-11-128-061-2102 Sequence 3102, Ap
7	14.8	77.9	220	7	US-11-128-061-6744 Sequence 6744, Ap
8	14.8	77.9	1439	7	US-11-136-527-4036 Sequence 4036, Ap
9	14.8	77.9	1561	6	US-10-750-185-35115 Sequence 35115, A
10	14.8	77.9	1561	6	US-10-750-623-35115 Sequence 35115, A
11	14.8	77.9	2065	7	US-11-136-527-2547 Sequence 2547, Ap
12	14.8	77.9	2277	7	US-11-052-554A-645 Sequence 645, App
13	14.8	77.9	2327	7	US-11-136-527-2209 Sequence 2209, Ap
14	14.8	77.9	235033	7	US-11-157-389-1 Sequence 1, Appl1
15	14.8	77.9	237326	7	US-11-157-389-2 Sequence 2, Appl1
16	14.8	77.9	246960	7	US-11-121-086-8 Sequence 8, Appl1
17	14.6	76.8	44718	6	US-10-995-561-13217 Sequence 13217, A
18	14.4	75.8	19	8	US-11-101-244-591191 Sequence 591191, A
19	14.4	75.8	19	9	US-11-083-784-591191 Sequence 591191, A
20	14.4	75.8	449	6	US-10-623-155-20 Sequence 20, Appl
21	14.4	75.8	807	6	US-10-467-657-2197 Sequence 2197, Ap
22	14.4	75.8	828	6	US-10-467-657-2199 Sequence 2199, Ap
23	14.4	75.8	1100	6	US-10-750-185-52804 Sequence 52804, A

C 24	14.4	75.8	1100	6	US-10-750-623-52804	Sequence 52804, A
C 25	14.4	75.8	1474	7	US-11-054-385-3	Sequence 3, Appl1
C 26	14.4	75.8	1611	6	US-10-750-185-34752	Sequence 34752, A
C 27	14.4	75.8	1611	6	US-10-750-623-34752	Sequence 34752, A
C 28	14.4	75.8	3259	7	US-11-136-527-2735	Sequence 2735, Ap
C 29	14.2	74.7	21	6	US-10-310-914A-1098127	Sequence 1098127, A
C 30	14.2	74.7	25	7	US-11-121-849-537692	Sequence 537692, A
C 31	14.2	74.7	25	6	US-10-939-294A-7598	Sequence 7598, Ap
C 32	14.2	74.7	32	6	US-10-939-294A-7602	Sequence 7602, Ap
C 33	14.2	74.7	32	6	US-10-939-294A-7604	Sequence 7604, Ap
C 34	14.2	74.7	32	6	US-10-939-294A-7609	Sequence 7609, Ap
C 35	14.2	74.7	32	6	US-10-939-294A-7615	Sequence 7615, Ap
C 36	14.2	74.7	32	6	US-10-939-294A-7617	Sequence 7617, Ap
C 37	14.2	74.7	32	6	US-10-939-294A-7626	Sequence 7626, Ap
C 38	14.2	74.7	32	6	US-10-939-294A-7635	Sequence 7635, Ap
C 39	14.2	74.7	32	6	US-10-939-294A-7640	Sequence 7640, Ap
C 40	14.2	74.7	32	6	US-10-939-294A-7649	Sequence 7649, Ap
C 41	14.2	74.7	32	6	US-10-939-294A-7680	Sequence 7680, Ap
C 42	14.2	74.7	32	6	US-10-939-294A-7728	Sequence 7728, Ap
C 43	14.2	74.7	32	6	US-10-939-294A-7738	Sequence 7738, Ap
C 44	14.2	74.7	32	6	US-10-939-294A-7798	Sequence 7798, Ap
C 45	14.2	74.7	32	6	US-10-939-294A-8302	Sequence 8302, Ap
C 46	14.2	74.7	32	6	US-10-939-294A-8387	Sequence 8387, Ap
C 47	14.2	74.7	32	6	US-10-939-294A-8487	Sequence 8487, Ap
C 48	14.2	74.7	32	6	US-10-939-294A-8534	Sequence 8534, Ap
C 49	14.2	74.7	32	6	US-10-939-294A-8605	Sequence 8605, Ap
C 50	14.2	74.7	32	6	US-10-939-294A-10090	Sequence 10090, A
C 51	14.2	74.7	32	6	US-10-939-294A-10188	Sequence 10188, A
C 52	14.2	74.7	32	6	US-10-939-294A-10855	Sequence 10855, A
C 53	14.2	74.7	32	6	US-10-939-294A-10935	Sequence 10935, A
C 54	14.2	74.7	32	6	US-10-939-294A-11357	Sequence 11357, A
C 55	14.2	74.7	32	6	US-10-939-294A-11357	Sequence 11357, A
C 56	14.2	74.7	32	6	US-10-939-294A-11358	Sequence 11358, A
C 57	14.2	74.7	32	6	US-10-939-294A-11589	Sequence 11589, A
C 58	14.2	74.7	32	6	US-10-939-294A-11590	Sequence 11590, A
C 59	14.2	74.7	32	6	US-10-939-294A-11645	Sequence 11645, A
C 60	14.2	74.7	32	6	US-10-939-294A-11646	Sequence 11646, A
C 61	14.2	74.7	32	6	US-10-939-294A-12378	Sequence 12378, A
C 62	14.2	74.7	32	6	US-10-939-294A-12379	Sequence 12379, A
C 63	14.2	74.7	32	6	US-10-939-294A-12386	Sequence 12386, A
C 64	14.2	74.7	32	6	US-10-939-294A-12387	Sequence 12387, A
C 65	14.2	74.7	32	6	US-10-939-294A-12448	Sequence 12448, A
C 66	14.2	74.7	32	6	US-10-939-294A-12449	Sequence 12449, A
C 67	14.2	74.7	32	6	US-10-939-294A-12466	Sequence 12466, A
C 68	14.2	74.7	32	6	US-10-939-294A-12467	Sequence 12467, A
C 69	14.2	74.7	32	6	US-10-939-294A-12780	Sequence 12780, A
C 70	14.2	74.7	32	6	US-10-939-294A-12781	Sequence 12781, A
C 71	14.2	74.7	32	6	US-10-939-294A-12806	Sequence 12806, A
C 72	14.2	74.7	32	6	US-10-939-294A-12807	Sequence 12807, A
C 73	14.2	74.7	32	6	US-10-939-294A-13012	Sequence 13012, A
C 74	14.2	74.7	32	6	US-10-939-294A-13013	Sequence 13013, A
C 75	14.2	74.7	32	6	US-10-939-294A-13016	Sequence 13016, A
C 76	14.2	74.7	32	6	US-10-939-294A-13017	Sequence 13017, A
C 77	14.2	74.7	32	6	US-10-939-294A-13108	Sequence 13108, A
C 78	14.2	74.7	32	6	US-10-939-294A-13109	Sequence 13109, A
C 79	14.2	74.7	32	6	US-10-939-294A-13166	Sequence 13166, A
C 80	14.2	74.7	32	6	US-10-939-294A-13167	Sequence 13167, A
C 81	14.2	74.7	32	6	US-10-939-294A-13152	Sequence 13152, A
C 82	14.2	74.7	32	6	US-10-939-294A-13153	Sequence 13153, A
C 83	14.2	74.7	32	6	US-10-939-294A-14615	Sequence 14615, A
C 84	14.2	74.7	32	6	US-10-939-294A-14615	Sequence 14615, A
C 85	14.2	74.7	32	6	US-10-939-294A-14968	Sequence 14968, A
C 86	14.2	74.7	32	6	US-10-939-294A-14972	Sequence 14972, A
C 87	14.2	74.7	32	6	US-10-939-294A-14974	Sequence 14974, A
C 88	14.2	74.7	32	6	US-10-939-294A-14979	Sequence 14979, A
C 89	14.2	74.7	32	6	US-10-939-294A-14985	Sequence 14985, A
C 90	14.2	74.7	32	6	US-10-939-294A-14987	Sequence 14987, A
C 91	14.2	74.7	32	6	US-10-939-294A-14988	Sequence 14988, A
C 92	14.2	74.7	32	6	US-10-939-294A-14996	Sequence 14996, A
C 93	14.2	74.7	32	6	US-10-939-294A-20005	Sequence 20005, A
C 94	14.2	74.7	32	6	US-10-939-294A-20019	Sequence 20019, A
C 95	14.2	74.7	32	6	US-10-939-294A-20050	Sequence 20050, A
C 96	14.2	74.7	32	6	US-10-939-294A-20098	Sequence 20098, A

C 97	14.2	74.7	32	6	US-10-939-294A-20168	Sequence 20168, A	C 170	14.2	74.7	64	6	US-10-939-294A-1812	Sequence 1812, Ap
C 98	14.2	74.7	32	6	US-10-939-294A-20176	Sequence 20176, A	C 171	14.2	74.7	64	6	US-10-939-294A-1814	Sequence 1814, Ap
C 99	14.2	74.7	32	6	US-10-939-294A-20672	Sequence 20672, A	C 172	14.2	74.7	64	6	US-10-939-294A-1845	Sequence 1845, Ap
C 100	14.2	74.7	32	6	US-10-939-294A-20757	Sequence 20757, A	C 173	14.2	74.7	64	6	US-10-939-294A-1899	Sequence 1899, Ap
C 101	14.2	74.7	32	6	US-10-939-294A-20857	Sequence 20857, A	C 174	14.2	74.7	64	6	US-10-939-294A-1913	Sequence 1913, Ap
C 102	14.2	74.7	32	6	US-10-939-294A-20804	Sequence 20804, A	C 175	14.2	74.7	64	6	US-10-939-294A-2004	Sequence 2004, Ap
C 103	14.2	74.7	32	6	US-10-939-294A-20975	Sequence 20975, A	C 176	14.2	74.7	64	6	US-10-939-294A-2015	Sequence 2015, Ap
C 104	14.2	74.7	32	6	US-10-939-294A-22460	Sequence 22460, A	C 177	14.2	74.7	64	6	US-10-939-294A-2025	Sequence 2025, Ap
C 105	14.2	74.7	32	6	US-10-939-294A-22558	Sequence 22558, A	C 178	14.2	74.7	64	6	US-10-939-294A-2027	Sequence 2027, Ap
C 106	14.2	74.7	32	6	US-10-939-294A-23225	Sequence 23225, A	C 179	14.2	74.7	64	6	US-10-939-294A-2046	Sequence 2046, Ap
C 107	14.2	74.7	32	6	US-10-939-294A-23305	Sequence 23305, A	C 180	14.2	74.7	64	6	US-10-939-294A-2051	Sequence 2051, Ap
C 108	14.2	74.7	32	6	US-10-939-294A-30727	Sequence 30727, A	C 181	14.2	74.7	64	6	US-10-939-294A-2060	Sequence 2060, Ap
C 109	14.2	74.7	32	6	US-10-939-294A-30728	Sequence 30728, A	C 182	14.2	74.7	64	6	US-10-939-294A-2071	Sequence 2071, Ap
C 110	14.2	74.7	32	6	US-10-939-294A-30959	Sequence 30959, A	C 183	14.2	74.7	64	6	US-10-939-294A-2122	Sequence 2122, Ap
C 111	14.2	74.7	32	6	US-10-939-294A-30960	Sequence 30960, A	C 184	14.2	74.7	64	6	US-10-939-294A-2125	Sequence 2125, Ap
C 112	14.2	74.7	32	6	US-10-939-294A-31015	Sequence 31015, A	C 185	14.2	74.7	64	6	US-10-939-294A-2135	Sequence 2135, Ap
C 113	14.2	74.7	32	6	US-10-939-294A-31016	Sequence 31016, A	C 186	14.2	74.7	64	6	US-10-939-294A-2140	Sequence 2140, Ap
C 114	14.2	74.7	32	6	US-10-939-294A-31748	Sequence 31748, A	C 187	14.2	74.7	64	6	US-10-939-294A-2165	Sequence 2165, Ap
C 115	14.2	74.7	32	6	US-10-939-294A-31749	Sequence 31749, A	C 188	14.2	74.7	64	6	US-10-939-294A-2166	Sequence 2166, Ap
C 116	14.2	74.7	32	6	US-10-939-294A-31756	Sequence 31756, A	C 189	14.2	74.7	64	6	US-10-939-294A-2170	Sequence 2170, Ap
C 117	14.2	74.7	32	6	US-10-939-294A-31757	Sequence 31757, A	C 190	14.2	74.7	64	6	US-10-939-294A-2173	Sequence 2173, Ap
C 118	14.2	74.7	32	6	US-10-939-294A-31818	Sequence 31818, A	C 191	14.2	74.7	64	6	US-10-939-294A-2188	Sequence 2188, Ap
C 119	14.2	74.7	32	6	US-10-939-294A-31819	Sequence 31819, A	C 192	14.2	74.7	64	6	US-10-939-294A-2196	Sequence 2196, Ap
C 120	14.2	74.7	32	6	US-10-939-294A-31836	Sequence 31836, A	C 193	14.2	74.7	64	6	US-10-939-294A-2212	Sequence 2212, Ap
C 121	14.2	74.7	32	6	US-10-939-294A-31837	Sequence 31837, A	C 194	14.2	74.7	64	6	US-10-939-294A-2223	Sequence 2223, Ap
C 122	14.2	74.7	32	6	US-10-939-294A-32150	Sequence 32150, A	C 195	14.2	74.7	64	6	US-10-939-294A-2225	Sequence 2225, Ap
C 123	14.2	74.7	32	6	US-10-939-294A-32151	Sequence 32151, A	C 196	14.2	74.7	64	6	US-10-939-294A-2250	Sequence 2250, Ap
C 124	14.2	74.7	32	6	US-10-939-294A-32176	Sequence 32176, A	C 197	14.2	74.7	64	6	US-10-939-294A-2266	Sequence 2266, Ap
C 125	14.2	74.7	32	6	US-10-939-294A-32177	Sequence 32177, A	C 198	14.2	74.7	64	6	US-10-939-294A-2264	Sequence 2264, Ap
C 126	14.2	74.7	32	6	US-10-939-294A-32382	Sequence 32382, A	C 199	14.2	74.7	64	6	US-10-939-294A-2332	Sequence 2332, Ap
C 127	14.2	74.7	32	6	US-10-939-294A-32383	Sequence 32383, A	C 200	14.2	74.7	64	6	US-10-939-294A-2337	Sequence 2337, Ap
C 128	14.2	74.7	32	6	US-10-939-294A-32386	Sequence 32386, A	C 201	14.2	74.7	64	6	US-10-939-294A-2403	Sequence 2403, Ap
C 129	14.2	74.7	32	6	US-10-939-294A-32387	Sequence 32387, A	C 202	14.2	74.7	64	6	US-10-939-294A-2428	Sequence 2428, Ap
C 130	14.2	74.7	32	6	US-10-939-294A-32478	Sequence 32478, A	C 203	14.2	74.7	64	6	US-10-939-294A-2466	Sequence 2466, Ap
C 131	14.2	74.7	32	6	US-10-939-294A-32479	Sequence 32479, A	C 204	14.2	74.7	64	6	US-10-939-294A-2484	Sequence 2484, Ap
C 132	14.2	74.7	32	6	US-10-939-294A-32536	Sequence 32536, A	C 205	14.2	74.7	64	6	US-10-939-294A-2545	Sequence 2545, Ap
C 133	14.2	74.7	32	6	US-10-939-294A-32537	Sequence 32537, A	C 206	14.2	74.7	64	6	US-10-939-294A-2554	Sequence 2554, Ap
C 134	14.2	74.7	32	6	US-10-939-294A-32722	Sequence 32722, A	C 207	14.2	74.7	64	6	US-10-939-294A-2573	Sequence 2573, Ap
C 135	14.2	74.7	32	6	US-10-939-294A-32723	Sequence 32723, A	C 208	14.2	74.7	64	6	US-10-939-294A-2664	Sequence 2664, Ap
C 136	14.2	74.7	48	6	US-10-939-294A-53	Sequence 53, Appl	C 209	14.2	74.7	64	6	US-10-939-294A-2811	Sequence 2811, Ap
C 137	14.2	74.7	48	6	US-10-939-294A-75	Sequence 85, Appl	C 210	14.2	74.7	64	6	US-10-939-294A-2821	Sequence 2821, Ap
C 138	14.2	74.7	48	6	US-10-939-294A-85	Sequence 85, Appl	C 211	14.2	74.7	64	6	US-10-939-294A-2873	Sequence 2873, Ap
C 139	14.2	74.7	48	6	US-10-939-294A-88	Sequence 88, Appl	C 212	14.2	74.7	64	6	US-10-939-294A-2914	Sequence 2914, Ap
C 140	14.2	74.7	48	6	US-10-939-294A-100	Sequence 100, Ap	C 213	14.2	74.7	64	6	US-10-939-294A-2914	Sequence 2914, Ap
C 141	14.2	74.7	48	6	US-10-939-294A-139	Sequence 139, Ap	C 214	14.2	74.7	64	6	US-10-939-294A-2935	Sequence 2935, Ap
C 142	14.2	74.7	48	6	US-10-939-294A-175	Sequence 175, Ap	C 215	14.2	74.7	64	6	US-10-939-294A-2967	Sequence 2967, Ap
C 143	14.2	74.7	48	6	US-10-939-294A-264	Sequence 264, Ap	C 216	14.2	74.7	64	6	US-10-939-294A-3059	Sequence 3059, Ap
C 144	14.2	74.7	48	6	US-10-939-294A-265	Sequence 265, Ap	C 217	14.2	74.7	64	6	US-10-939-294A-3059	Sequence 3059, Ap
C 145	14.2	74.7	48	6	US-10-939-294A-280	Sequence 280, Ap	C 218	14.2	74.7	64	6	US-10-939-294A-3091	Sequence 3091, Ap
C 146	14.2	74.7	48	6	US-10-939-294A-320	Sequence 320, Ap	C 219	14.2	74.7	64	6	US-10-939-294A-3142	Sequence 3142, Ap
C 147	14.2	74.7	48	6	US-10-939-294A-387	Sequence 387, Ap	C 220	14.2	74.7	64	6	US-10-939-294A-3219	Sequence 3219, Ap
C 148	14.2	74.7	48	6	US-10-939-294A-409	Sequence 409, Ap	C 221	14.2	74.7	64	6	US-10-939-294A-3238	Sequence 3238, Ap
C 149	14.2	74.7	48	6	US-10-939-294A-508	Sequence 508, Ap	C 222	14.2	74.7	64	6	US-10-939-294A-3258	Sequence 3258, Ap
C 150	14.2	74.7	48	6	US-10-939-294A-549	Sequence 549, Ap	C 223	14.2	74.7	64	6	US-10-939-294A-3319	Sequence 3319, Ap
C 151	14.2	74.7	48	6	US-10-939-294A-1563	Sequence 1563, Ap	C 224	14.2	74.7	64	6	US-10-939-294A-3329	Sequence 3329, Ap
C 152	14.2	74.7	48	6	US-10-939-294A-1573	Sequence 1573, Ap	C 225	14.2	74.7	64	6	US-10-939-294A-3354	Sequence 3354, Ap
C 153	14.2	74.7	64	6	US-10-939-294A-1636	Sequence 1636, Ap	C 226	14.2	74.7	64	6	US-10-939-294A-3369	Sequence 3369, Ap
C 154	14.2	74.7	64	6	US-10-939-294A-1639	Sequence 1639, Ap	C 227	14.2	74.7	64	6	US-10-939-294A-3379	Sequence 3379, Ap
C 155	14.2	74.7	64	6	US-10-939-294A-1654	Sequence 1654, Ap	C 228	14.2	74.7	64	6	US-10-939-294A-3385	Sequence 3385, Ap
C 156	14.2	74.7	64	6	US-10-939-294A-1666	Sequence 1666, Ap	C 229	14.2	74.7	64	6	US-10-939-294A-3458	Sequence 3458, Ap
C 157	14.2	74.7	64	6	US-10-939-294A-1662	Sequence 1662, Ap	C 230	14.2	74.7	64	6	US-10-939-294A-3501	Sequence 3501, Ap
C 158	14.2	74.7	64	6	US-10-939-294A-1670	Sequence 1670, Ap	C 231	14.2	74.7	64	6	US-10-939-294A-3552	Sequence 3552, Ap
C 159	14.2	74.7	64	6	US-10-939-294A-1672	Sequence 1672, Ap	C 232	14.2	74.7	64	6	US-10-939-294A-3579	Sequence 3579, Ap
C 160	14.2	74.7	64	6	US-10-939-294A-1690	Sequence 1690, Ap	C 233	14.2	74.7	64	6	US-10-939-294A-3646	Sequence 3646, Ap
C 161	14.2	74.7	64	6	US-10-939-294A-1691	Sequence 1691, Ap	C 234	14.2	74.7	64	6	US-10-939-294A-3719	Sequence 3719, Ap
C 162	14.2	74.7	64	6	US-10-939-294A-1695	Sequence 1695, Ap	C 235	14.2	74.7	64	6	US-10-939-294A-3759	Sequence 3759, Ap
C 163	14.2	74.7	64	6	US-10-939-294A-1709	Sequence 1709, Ap	C 236	14.2	74.7	64	6	US-10-939-294A-3763	Sequence 3763, Ap
C 164	14.2	74.7	64	6	US-10-939-294A-1718	Sequence 1718, Ap	C 237	14.2	74.7	64	6	US-10-939-294A-3783	Sequence 3783, Ap
C 165	14.2	74.7	64	6	US-10-939-294A-1729	Sequence 1729, Ap	C 238	14.2	74.7	64	6	US-10-939-294A-3855	Sequence 3855, Ap
C 166	14.2	74.7	64	6	US-10-939-294A-1736	Sequence 1736, Ap	C 239	14.2	74.7	64	6	US-10-939-294A-3866	Sequence 3866, Ap
C 167	14.2	74.7	64	6	US-10-939-294A-1752	Sequence 1752, Ap	C 240	14.2	74.7	64	6	US-10-939-294A-3921	Sequence 3921, Ap
C 168	14.2	74.7	64	6	US-10-939-294A-1767	Sequence 1767, Ap	C 241	14.2	74.7	64	6	US-10-939-294A-3931	Sequence 3931, Ap
C 169	14.2	74.7	64	6	US-10-939-294A-1803	Sequence 1803, Ap	C 242	14.2	74.7	64	6	US-10-939-294A-3980	Sequence 3980, Ap

C 243	14.2	74.7	64	6	US-10-939-294A-4018	Sequence 4018, Ap	C 316	13.8	72.6	25	7	US-11-136-527-317441	Sequence 317441, A
C 244	14.2	74.7	64	6	US-10-939-294A-4021	Sequence 4021, Ap	C 317	13.8	72.6	74	6	US-10-310-914A-14580	Sequence 14580, A
C 245	14.2	74.7	64	6	US-10-939-294A-4032	Sequence 4032, Ap	C 318	13.8	72.6	201	6	US-10-995-561-20338	Sequence 20338, A
C 246	14.2	74.7	64	6	US-10-939-294A-4048	Sequence 4048, Ap	C 319	13.8	72.6	201	6	US-10-995-561-20832	Sequence 20832, A
C 247	14.2	74.7	64	6	US-10-939-294A-4082	Sequence 4082, Ap	C 320	13.8	72.6	201	6	US-10-995-561-71810	Sequence 71810, A
C 248	14.2	74.7	64	6	US-10-939-294A-4095	Sequence 4095, Ap	C 321	13.8	72.6	201	6	US-11-124-368A-9891	Sequence 9891, Ap
C 249	14.2	74.7	64	6	US-10-939-294A-4106	Sequence 4106, Ap	C 322	13.8	72.6	201	7	US-11-124-368A-10099	Sequence 10099, A
C 250	14.2	74.7	64	6	US-10-939-294A-4111	Sequence 4111, Ap	C 323	13.8	72.6	333	7	US-11-136-527-2635	Sequence 2635, Ap
C 251	14.2	74.7	64	6	US-10-939-294A-4256	Sequence 4256, Ap	C 324	13.8	72.6	333	7	US-11-136-527-6731	Sequence 6731, Ap
C 252	14.2	74.7	64	6	US-10-939-294A-4301	Sequence 4301, Ap	C 325	13.8	72.6	632	7	US-11-123-896-40	Sequence 40, Appl
C 253	14.2	74.7	64	6	US-10-939-294A-4459	Sequence 4459, Ap	C 326	13.8	72.6	707	6	US-10-750-185-35767	Sequence 35767, A
C 254	14.2	74.7	64	6	US-10-939-294A-4605	Sequence 4605, Ap	C 327	13.8	72.6	707	6	US-10-750-623-35767	Sequence 35767, A
C 255	14.2	74.7	64	6	US-10-939-294A-4716	Sequence 4716, Ap	C 328	13.8	72.6	708	6	US-10-821-234-55	Sequence 556, App
C 256	14.2	74.7	64	6	US-10-939-294A-4808	Sequence 4808, Ap	C 329	13.8	72.6	730	6	US-10-750-185-62340	Sequence 63340, A
C 257	14.2	74.7	64	6	US-10-939-294A-4848	Sequence 4848, Ap	C 330	13.8	72.6	730	6	US-10-750-623-62340	Sequence 62340, A
C 258	14.2	74.7	64	6	US-10-939-294A-4981	Sequence 4981, Ap	C 331	13.8	72.6	776	6	US-10-750-185-55110	Sequence 55110, A
C 259	14.2	74.7	245	7	US-11-108-172-576	Sequence 576, App	C 332	13.8	72.6	776	6	US-10-750-623-55110	Sequence 55110, A
C 260	14.2	74.7	409	7	US-11-113-424-9	Sequence 9, Appl1	C 333	13.8	72.6	867	7	US-11-052-554A-732	Sequence 732, App
C 261	14.2	74.7	1037	7	US-11-055-822-829	Sequence 829, App	C 334	13.8	72.6	934	6	US-10-467-657-1713	Sequence 1713, Ap
C 262	14.2	74.7	1277	7	US-11-113-424-5	Sequence 5, Appl1	C 335	13.8	72.6	955	6	US-10-750-185-50039	Sequence 50039, A
C 263	14.2	74.7	1290	7	US-11-136-527-457	Sequence 2457, Ap	C 336	13.8	72.6	1016	7	US-10-750-623-154	Sequence 154, App
C 264	14.2	74.7	1320	7	US-11-136-527-6553	Sequence 6553, Ap	C 337	13.8	72.6	1026	7	US-11-000-463-626	Sequence 626, App
C 265	14.2	74.7	1322	7	US-11-113-424-7	Sequence 7, Appl1	C 338	13.8	72.6	1059	6	US-10-750-185-31832	Sequence 31832, A
C 266	14.2	74.7	1376	6	US-10-750-185-28729	Sequence 28729, A	C 339	13.8	72.6	1059	6	US-10-750-623-31832	Sequence 31832, A
C 267	14.2	74.7	1376	6	US-10-750-623-28729	Sequence 28729, A	C 340	13.8	72.6	1161	6	US-10-467-657-5521	Sequence 5521, Ap
C 268	14.2	74.7	1400	7	US-11-136-527-4257	Sequence 4257, Ap	C 341	13.8	72.6	1179	6	US-10-467-657-5519	Sequence 5519, Ap
C 269	14.2	74.7	1400	7	US-11-136-527-6579	Sequence 6579, Ap	C 342	13.8	72.6	1242	7	US-11-136-527-2607	Sequence 2607, Ap
C 270	14.2	74.7	1437	6	US-10-750-185-26032	Sequence 26032, A	C 343	13.8	72.6	1274	6	US-10-750-185-41766	Sequence 41766, A
C 271	14.2	74.7	1437	6	US-10-750-623-26032	Sequence 26032, A	C 344	13.8	72.6	1274	6	US-10-750-623-41766	Sequence 41766, A
C 272	14.2	74.7	1449	6	US-10-467-657-7773	Sequence 2773, Ap	C 345	13.8	72.6	1297	6	US-10-750-185-43439	Sequence 43439, A
C 273	14.2	74.7	1467	7	US-11-055-822-825	Sequence 825, App	C 346	13.8	72.6	1297	6	US-10-750-623-43439	Sequence 43439, A
C 274	14.2	74.7	1536	6	US-10-467-657-7771	Sequence 2771, Ap	C 347	13.8	72.6	1359	6	US-10-750-185-50206	Sequence 50206, A
C 275	14.2	74.7	1565	6	US-11-136-527-2665	Sequence 2665, Ap	C 348	13.8	72.6	1359	6	US-10-750-623-50206	Sequence 50206, A
C 276	14.2	74.7	2298	6	US-10-689-742-69	Sequence 69, Appl	C 349	13.8	72.6	1400	7	US-11-136-527-5480	Sequence 5480, Ap
C 277	14.2	74.7	2380	7	US-11-136-527-3376	Sequence 3376, Ap	C 350	13.8	72.6	1415	7	US-11-136-527-1384	Sequence 1384, Ap
C 278	14.2	74.7	2441	7	US-11-128-061-522	Sequence 522, App	C 351	13.8	72.6	1422	6	US-10-750-185-30006	Sequence 30006, A
C 279	14.2	74.7	3162	7	US-11-052-554A-535	Sequence 535, App	C 352	13.8	72.6	1422	6	US-10-750-623-30006	Sequence 30006, A
C 280	14.2	74.7	3269	7	US-11-136-527-2735	Sequence 2735, Ap	C 353	13.8	72.6	1556	6	US-10-750-185-48163	Sequence 48163, A
C 281	14.2	74.7	3342	7	US-11-136-527-2520	Sequence 2520, Ap	C 354	13.8	72.6	1556	6	US-10-750-623-48163	Sequence 48163, A
C 282	14.2	74.7	3753	7	US-11-136-527-4483	Sequence 2483, Ap	C 355	13.8	72.6	1556	6	US-10-750-185-47061	Sequence 47061, A
C 283	14.2	74.7	4053	7	US-11-136-527-161	Sequence 161, App	C 356	13.8	72.6	1556	6	US-10-750-623-47061	Sequence 47061, A
C 284	14.2	74.7	4456	7	US-11-136-527-745	Sequence 345, App	C 357	13.8	72.6	1556	6	US-10-750-185-25408	Sequence 25408, A
C 285	14.2	74.7	4860	6	US-10-971-982-1	Sequence 1, Appl1	C 358	13.8	72.6	1556	6	US-10-750-623-25408	Sequence 25408, A
C 286	14.2	74.7	5847	7	US-11-136-527-4490	Sequence 2490, Ap	C 359	13.8	72.6	1671	6	US-10-750-185-56448	Sequence 56448, A
C 287	14.2	74.7	6158	7	US-11-076-163-4	Sequence 4, Appl1	C 360	13.8	72.6	1671	6	US-10-750-623-56448	Sequence 56448, A
C 288	14.2	74.7	6200	6	US-10-895-011-1	Sequence 1, Appl1	C 361	13.8	72.6	1805	6	US-10-750-185-42356	Sequence 42356, A
C 289	14.2	74.7	6200	6	US-11-038-312-1	Sequence 1, Appl1	C 362	13.8	72.6	1805	6	US-10-750-623-42356	Sequence 42356, A
C 290	14.2	74.7	6200	6	US-11-052-554A-517	Sequence 517, App	C 363	13.8	72.6	1805	6	US-10-750-623-42356	Sequence 42356, A
C 291	14.2	74.7	6200	6	US-11-075-185-2	Sequence 2, Appl1	C 364	13.8	72.6	1805	6	US-10-750-185-52521	Sequence 52521, A
C 292	14.2	74.7	6200	6	US-11-075-185-2	Sequence 2, Appl1	C 365	13.8	72.6	1805	6	US-10-750-623-52521	Sequence 52521, A
C 293	14.2	74.7	6200	6	US-10-829-8268-41	Sequence 41, Appl	C 366	13.8	72.6	1805	6	US-10-821-234-232	Sequence 232, App
C 294	14.2	74.7	6200	6	US-10-829-8268-36	Sequence 36, Appl	C 367	13.8	72.6	1805	6	US-10-750-185-50129	Sequence 50129, A
C 295	14.2	74.7	6200	6	US-10-829-8268-40	Sequence 40, Appl	C 368	13.8	72.6	1805	6	US-10-750-623-50129	Sequence 50129, A
C 296	14.2	74.7	6200	6	US-11-205-109-1	Sequence 1, Appl1	C 369	13.8	72.6	1805	6	US-10-467-657-2207	Sequence 2207, Ap
C 297	14.2	74.7	6200	6	US-11-121-086-94	Sequence 31, Appl1	C 370	13.8	72.6	1805	6	US-11-136-527-2316	Sequence 2316, Ap
C 298	14.2	74.7	6200	6	US-10-933-025-24	Sequence 25, Appl1	C 371	13.8	72.6	1805	6	US-11-136-527-466	Sequence 466, App
C 299	14.2	74.7	6200	6	US-11-121-086-95	Sequence 95, Appl	C 372	13.8	72.6	1805	6	US-11-136-527-150	Sequence 150, App
C 300	14.2	74.7	6200	6	US-11-136-527-5565	Sequence 4565, Ap	C 373	13.8	72.6	1805	6	US-11-000-688-163	Sequence 163, App
C 301	14.2	74.7	6200	6	US-11-136-527-569	Sequence 469, App	C 374	13.8	72.6	1805	6	US-10-689-742-141	Sequence 141, App
C 302	14.2	74.7	6200	6	US-10-750-185-54688	Sequence 64688, A	C 375	13.8	72.6	1805	6	US-11-136-527-3256	Sequence 3256, App
C 303	14.2	74.7	6200	6	US-10-750-623-64688	Sequence 64688, A	C 376	13.8	72.6	1805	6	US-11-052-554A-467	Sequence 467, App
C 304	14.2	74.7	6200	6	US-11-077-550-119	Sequence 119, App	C 377	13.8	72.6	1805	6	US-11-128-061-708	Sequence 708, App
C 305	14.2	74.7	6200	6	US-11-077-550-121	Sequence 121, App	C 378	13.8	72.6	1805	6	US-11-082-544-34	Sequence 34, Appl
C 306	14.2	74.7	6200	6	US-11-077-550-117	Sequence 117, App	C 379	13.8	72.6	1805	6	US-11-000-688-641	Sequence 641, App
C 307	14.2	74.7	6200	6	US-10-310-914A-1098119	Sequence 1098119, A	C 380	13.8	72.6	1805	6	US-11-000-688-641	Sequence 641, App
C 308	14.2	74.7	6200	6	US-10-310-914A-528809	Sequence 528809, A	C 381	13.8	72.6	1805	6	US-11-000-688-641	Sequence 641, App
C 309	14.2	74.7	6200	6	US-10-310-914A-1098120	Sequence 1098120, A	C 382	13.8	72.6	1805	6	US-10-995-561-13425	Sequence 13425, A
C 310	14.2	74.7	6200	6	US-11-101-244-1403148	Sequence 1403148, A	C 383	13.8	72.6	1805	6	US-11-136-912-2	Sequence 2, Appl1
C 311	14.2	74.7	6200	6	US-11-083-784-1403148	Sequence 1403148, A	C 384	13.8	72.6	1805	6	US-11-165-697-44	Sequence 44, Appl
C 312	14.2	74.7	6200	6	US-10-310-914A-528810	Sequence 528810, A	C 385	13.8	72.6	1805	6	US-10-995-561-13368	Sequence 13368, A
C 313	14.2	74.7	6200	6	US-11-310-914A-1359702	Sequence 1359702, A	C 386	13.8	72.6	1805	6	US-11-124-368A-2896	Sequence 2896, App
C 314	14.2	74.7	6200	6	US-11-121-849-998247	Sequence 998247, A	C 387	13.8	72.6	1805	6	US-11-124-368A-2896	Sequence 2896, App
C 315	14.2	74.7	6200	6	US-11-136-527-317423	Sequence 317423, A	C 388	13.8	72.6	1805	6	US-10-995-561-13289	Sequence 13289, A
C 316	14.2	74.7	6200	6	US-11-136-527-317439	Sequence 317439, A	C 389	13.8	72.6	1805	6	US-10-995-561-13289	Sequence 13289, A

C 389	13.8	72.6	98862	7	US-11-121-086-76	Sequence 76, Appl	C 462	13.2	69.5	300	7	US-11-194-246-458	Sequence 458, App
C 390	13.8	72.6	101001	6	US-10-995-561-13255	Sequence 13255, A	C 463	13.2	69.5	311	6	US-10-467-657-2627	Sequence 2627, Ap
C 391	13.8	72.6	110711	6	US-10-995-561-13254	Sequence 13254, A	C 464	13.2	69.5	378	7	US-11-041-471-9	Sequence 9, Appl1
C 392	13.8	72.6	119036	6	US-10-995-561-13314	Sequence 13314, A	C 465	13.2	69.5	417	6	US-10-467-657-2629	Sequence 2629, Ap
C 393	13.8	72.6	150949	7	US-11-112-908-46	Sequence 46, Appl	C 466	13.2	69.5	510	7	US-11-128-061-2404	Sequence 2404, Ap
C 394	13.8	72.6	173602	7	US-11-121-086-25	Sequence 25, Appl	C 467	13.2	69.5	510	7	US-11-128-061-6046	Sequence 6046, Ap
C 395	13.8	72.6	177175	7	US-11-121-086-79	Sequence 79, Appl	C 468	13.2	69.5	525	7	US-11-136-527-990	Sequence 990, App
C 396	13.8	72.6	182190	7	US-11-121-086-102	Sequence 102, App	C 469	13.2	69.5	525	7	US-11-136-527-9086	Sequence 5086, App
C 397	13.8	72.6	189993	7	US-11-121-086-78	Sequence 78, Appl	C 470	13.2	69.5	528	6	US-10-965-694-28	Sequence 28, Appl
C 398	13.8	72.6	207908	7	US-11-112-908-71	Sequence 71, Appl	C 471	13.2	69.5	545	7	US-11-128-061-2281	Sequence 2281, Ap
C 399	13.8	72.6	207908	7	US-11-112-908-47	Sequence 47, Appl	C 472	13.2	69.5	545	7	US-11-128-061-5923	Sequence 5923, Ap
C 400	13.8	72.6	215308	7	US-11-112-908-33	Sequence 33, Appl	C 473	13.2	69.5	600	6	US-10-750-185-244	Sequence 244, App
C 401	13.8	72.6	217623	7	US-10-995-561-13216	Sequence 13216, A	C 474	13.2	69.5	600	6	US-10-750-185-1121	Sequence 1121, Ap
C 402	13.8	72.6	380749	6	US-10-995-561-13274	Sequence 13274, A	C 475	13.2	69.5	600	6	US-10-750-185-1696	Sequence 1696, App
C 403	13.8	72.6	415117	6	US-10-995-561-13274	Sequence 13274, A	C 476	13.2	69.5	600	6	US-10-750-623-244	Sequence 244, App
C 404	13.8	72.6	1691140	7	US-11-091-018-1	Sequence 1, Appl1	C 477	13.2	69.5	600	6	US-10-750-623-1121	Sequence 1121, Ap
C 405	13.4	70.5	25	7	US-11-121-849-550566	Sequence 550566, A	C 478	13.2	69.5	600	6	US-10-750-623-1696	Sequence 1696, App
C 406	13.4	70.5	201	6	US-10-995-561-19689	Sequence 19689, A	C 479	13.2	69.5	600	7	US-11-136-527-7097	Sequence 7097, Ap
C 407	13.4	70.5	201	6	US-10-995-561-20641	Sequence 20641, A	C 480	13.2	69.5	683	6	US-10-750-623-46043	Sequence 46043, A
C 408	13.4	70.5	201	6	US-11-124-3684-3905	Sequence 3905, Ap	C 481	13.2	69.5	683	6	US-10-750-623-46043	Sequence 46043, A
C 409	13.4	70.5	351	7	US-11-198-847-10	Sequence 10, Appl	C 482	13.2	69.5	739	6	US-10-750-185-42963	Sequence 42963, A
C 410	13.4	70.5	675	6	US-10-750-185-77114	Sequence 27114, A	C 483	13.2	69.5	739	6	US-10-750-623-42963	Sequence 42963, A
C 411	13.4	70.5	675	6	US-10-750-623-27114	Sequence 27114, A	C 484	13.2	69.5	739	6	US-10-750-185-36512	Sequence 36512, A
C 412	13.4	70.5	794	6	US-10-750-185-64100	Sequence 64100, A	C 485	13.2	69.5	752	6	US-10-750-623-36512	Sequence 36512, A
C 413	13.4	70.5	794	6	US-10-750-623-64100	Sequence 64100, A	C 486	13.2	69.5	824	6	US-10-750-185-42146	Sequence 42146, A
C 414	13.4	70.5	1030	6	US-10-750-185-59580	Sequence 59580, A	C 487	13.2	69.5	824	6	US-10-750-623-42146	Sequence 42146, A
C 415	13.4	70.5	1030	6	US-10-750-623-59580	Sequence 59580, A	C 488	13.2	69.5	879	6	US-10-965-972-5	Sequence 5, Appl1
C 416	13.4	70.5	1095	6	US-10-750-185-36219	Sequence 36219, A	C 489	13.2	69.5	915	6	US-10-467-657-8481	Sequence 8481, App
C 417	13.4	70.5	1095	6	US-10-750-623-36219	Sequence 36219, A	C 490	13.2	69.5	918	6	US-10-467-657-351	Sequence 351, App
C 418	13.4	70.5	1317	6	US-10-750-185-58155	Sequence 58155, A	C 491	13.2	69.5	926	6	US-10-750-185-42626	Sequence 42626, A
C 419	13.4	70.5	1317	6	US-10-750-623-58155	Sequence 58155, A	C 492	13.2	69.5	926	6	US-10-750-623-42626	Sequence 42626, A
C 420	13.4	70.5	1347	6	US-10-858-730-135	Sequence 135, App	C 493	13.2	69.5	993	6	US-10-467-657-237	Sequence 237, App
C 421	13.4	70.5	1400	7	US-11-136-527-4251	Sequence 4251, Ap	C 494	13.2	69.5	993	6	US-10-467-657-1113	Sequence 1113, Ap
C 422	13.4	70.5	1431	6	US-10-525-710-33	Sequence 33, Appl	C 495	13.2	69.5	1030	6	US-10-750-185-31073	Sequence 31073, A
C 423	13.4	70.5	1490	6	US-10-750-185-54875	Sequence 54875, A	C 496	13.2	69.5	1030	6	US-10-750-623-31073	Sequence 31073, A
C 424	13.4	70.5	1490	6	US-10-750-623-54875	Sequence 54875, A	C 497	13.2	69.5	1064	6	US-10-775-169-163	Sequence 163, App
C 425	13.4	70.5	1526	6	US-10-750-185-24606	Sequence 24606, A	C 498	13.2	69.5	1064	7	US-11-186-284-70	Sequence 70, Appl
C 426	13.4	70.5	1526	6	US-10-750-623-24606	Sequence 24606, A	C 499	13.2	69.5	1077	6	US-10-467-657-4439	Sequence 4439, App
C 427	13.4	70.5	1576	6	US-10-750-185-63954	Sequence 63954, A	C 500	13.2	69.5	1077	6	US-10-750-185-32669	Sequence 32669, A
C 428	13.4	70.5	1576	6	US-10-750-623-63954	Sequence 63954, A	C 501	13.2	69.5	1082	6	US-10-750-623-58202	Sequence 58202, A
C 429	13.4	70.5	1587	6	US-10-858-730-159	Sequence 159, App	C 502	13.2	69.5	1082	6	US-10-750-623-58202	Sequence 58202, A
C 430	13.4	70.5	1707	6	US-10-750-185-40165	Sequence 40165, A	C 503	13.2	69.5	1103	7	US-11-186-284-44	Sequence 44, Appl
C 431	13.4	70.5	1707	6	US-10-750-623-40165	Sequence 40165, A	C 504	13.2	69.5	1274	6	US-10-750-185-33605	Sequence 33605, A
C 432	13.4	70.5	1912	6	US-10-750-185-44452	Sequence 44452, A	C 505	13.2	69.5	1274	6	US-10-750-623-33605	Sequence 33605, A
C 433	13.4	70.5	1912	6	US-10-750-623-44452	Sequence 44452, A	C 506	13.2	69.5	1290	6	US-10-750-185-32669	Sequence 32669, A
C 434	13.4	70.5	2631	7	US-11-074-176-321	Sequence 321, App	C 507	13.2	69.5	1290	6	US-10-750-623-32669	Sequence 32669, A
C 435	13.4	70.5	2649	7	US-11-074-176-87	Sequence 87, Appl	C 508	13.2	69.5	1296	7	US-11-052-5544-593	Sequence 593, App
C 436	13.4	70.5	3005	6	US-10-750-185-39677	Sequence 39677, A	C 509	13.2	69.5	1300	6	US-10-750-185-25753	Sequence 25753, A
C 437	13.4	70.5	3005	6	US-10-750-623-39677	Sequence 39677, A	C 510	13.2	69.5	1300	6	US-10-750-623-25753	Sequence 25753, A
C 438	13.4	70.5	3456	7	US-11-136-527-155	Sequence 155, App	C 511	13.2	69.5	1311	6	US-10-750-185-62654	Sequence 62654, A
C 439	13.4	70.5	3630	7	US-11-136-527-2328	Sequence 2328, App	C 512	13.2	69.5	1311	6	US-10-750-623-26254	Sequence 26254, A
C 440	13.4	70.5	4046	6	US-10-750-185-39325	Sequence 39325, A	C 513	13.2	69.5	1386	6	US-10-509-464-3	Sequence 3, Appl1
C 441	13.4	70.5	4046	6	US-10-750-623-39325	Sequence 39325, A	C 514	13.2	69.5	1402	7	US-11-136-527-6696	Sequence 4696, App
C 442	13.4	70.5	150038	7	US-11-121-086-23	Sequence 23, Appl	C 515	13.2	69.5	1420	6	US-10-995-561-85	Sequence 85, Appl
C 443	13.4	70.5	150038	7	US-11-121-086-27	Sequence 27, Appl	C 516	13.2	69.5	1420	6	US-10-509-464-4	Sequence 4, Appl1
C 444	13.4	70.5	151142	7	US-11-121-086-28	Sequence 28, Appl	C 517	13.2	69.5	1440	6	US-10-750-185-55313	Sequence 55313, A
C 445	13.4	70.5	151142	7	US-10-995-561-13216	Sequence 13216, A	C 518	13.2	69.5	1440	6	US-10-750-623-55313	Sequence 55313, A
C 446	13.4	70.5	380749	6	US-10-995-561-13216	Sequence 13216, A	C 519	13.2	69.5	1486	6	US-10-750-185-48859	Sequence 48859, A
C 447	13.2	69.5	21	6	US-10-310-9144A-349146	Sequence 349146, A	C 520	13.2	69.5	1486	6	US-10-750-623-48859	Sequence 48859, A
C 448	13.2	69.5	23	6	US-10-310-9144A-23283	Sequence 23283, A	C 521	13.2	69.5	1493	6	US-10-750-185-66675	Sequence 66675, A
C 449	13.2	69.5	25	7	US-11-121-849-145508	Sequence 145508, A	C 522	13.2	69.5	1493	6	US-10-750-623-56675	Sequence 56675, A
C 450	13.2	69.5	25	7	US-11-121-849-190228	Sequence 190228, A	C 523	13.2	69.5	1551	6	US-10-750-185-37512	Sequence 37512, A
C 451	13.2	69.5	25	7	US-11-121-849-241287	Sequence 241287, A	C 524	13.2	69.5	1551	6	US-10-750-623-37512	Sequence 37512, A
C 452	13.2	69.5	25	7	US-11-136-527-333999	Sequence 333999, A	C 525	13.2	69.5	1584	6	US-10-750-185-43096	Sequence 43096, A
C 453	13.2	69.5	64	6	US-10-310-9144A-13020	Sequence 13020, A	C 526	13.2	69.5	1584	6	US-10-750-623-43096	Sequence 43096, A
C 454	13.2	69.5	201	6	US-10-995-561-3388	Sequence 3388, App	C 527	13.2	69.5	1595	6	US-10-750-185-61750	Sequence 61750, A
C 455	13.2	69.5	201	6	US-10-995-561-3411	Sequence 3411, App	C 528	13.2	69.5	1595	6	US-10-750-623-61750	Sequence 61750, A
C 456	13.2	69.5	201	6	US-10-995-561-3429	Sequence 3429, App	C 529	13.2	69.5	1601	6	US-10-750-185-50348	Sequence 50348, A
C 457	13.2	69.5	201	6	US-10-995-561-23954	Sequence 23954, A	C 530	13.2	69.5	1601	6	US-10-750-623-50348	Sequence 50348, A
C 458	13.2	69.5	201	6	US-10-995-561-24005	Sequence 24005, A	C 531	13.2	69.5	1605	6	US-10-750-185-60116	Sequence 60116, A
C 459	13.2	69.5	201	6	US-10-995-561-24006	Sequence 24006, A	C 532	13.2	69.5	1605	6	US-10-750-623-60116	Sequence 60116, A
C 460	13.2	69.5	201	6	US-10-995-561-24011	Sequence 24011, A	C 533	13.2	69.5	1609	6	US-10-750-185-59170	Sequence 59170, A
C 461	13.2	69.5	201	6	US-10-995-561-24507	Sequence 24507, A	C 534	13.2	69.5	1609	6	US-10-750-623-59170	Sequence 59170, A

C 535	13.2	69.5	1672	7	US-11-102-240-17	Sequence 17, Appl	608	13	68.4	28930	6	US-10-829-826B-46	Sequence 46, Appl
536	13.2	69.5	1825	6	US-10-750-185-11468	Sequence 41468, A	609	13	68.4	29206	6	US-10-829-826B-56	Sequence 56, Appl
537	13.2	69.5	1825	6	US-10-750-623-11468	Sequence 41468, A	610	13	68.4	29201	6	US-10-829-826B-50	Sequence 50, Appl
C 538	13.2	69.5	1859	6	US-10-995-561-84	Sequence 84, Appl	611	13	68.4	29439	6	US-10-829-826B-60	Sequence 60, Appl
C 539	13.2	69.5	1905	7	US-11-000-463-687	Sequence 687, Appl	612	13	68.4	29430	6	US-10-829-826B-49	Sequence 49, Appl
540	13.2	69.5	1962	7	US-11-135-855-7	Sequence 2, Appl1	613	13	68.4	29573	6	US-10-829-826B-70	Sequence 70, Appl
541	13.2	69.5	1971	6	US-10-750-185-28907	Sequence 28907, A	614	13	68.4	29573	6	US-10-829-826B-71	Sequence 71, Appl
542	13.2	69.5	1971	6	US-10-750-623-28907	Sequence 28907, A	615	13	68.4	29573	6	US-10-829-826B-72	Sequence 72, Appl
543	13.2	69.5	2057	6	US-10-750-185-13653	Sequence 43653, A	616	13	68.4	29705	6	US-10-829-826B-66	Sequence 66, Appl
544	13.2	69.5	2057	6	US-10-750-623-13653	Sequence 43653, A	617	13	68.4	29706	6	US-10-829-826B-68	Sequence 68, Appl
545	13.2	69.5	2185	6	US-10-131-826A-437	Sequence 437, App	618	13	68.4	29711	6	US-10-829-826B-65	Sequence 65, Appl
C 546	13.2	69.5	2319	7	US-11-000-463-215	Sequence 215, App	619	13	68.4	29711	6	US-10-829-826B-67	Sequence 67, Appl
547	13.2	69.5	2355	6	US-10-517-939-323	Sequence 323, App	620	13	68.4	29711	6	US-10-829-826B-69	Sequence 69, Appl
C 548	13.2	69.5	2376	6	US-10-467-657-6025	Sequence 6025, Ap	621	13	68.4	29715	6	US-10-829-826B-87	Sequence 87, Appl
C 549	13.2	69.5	2376	6	US-10-467-657-7527	Sequence 7527, Ap	622	13	68.4	29725	6	US-10-829-826B-47	Sequence 47, Appl
C 550	13.2	69.5	2379	7	US-11-103-957-93	Sequence 93, Appl	623	13	68.4	29725	6	US-10-829-826B-77	Sequence 77, Appl
551	13.2	69.5	2426	7	US-11-136-527-3001	Sequence 3001, Ap	624	13	68.4	29725	6	US-10-829-826B-81	Sequence 81, Appl
552	13.2	69.5	2426	7	US-11-136-527-3303	Sequence 3303, Ap	625	13	68.4	29727	6	US-10-829-826B-58	Sequence 58, Appl
553	13.2	69.5	2546	6	US-10-750-185-36741	Sequence 36741, A	626	13	68.4	29727	6	US-10-829-826B-78	Sequence 78, Appl
554	13.2	69.5	2546	6	US-10-750-623-36741	Sequence 36741, A	627	13	68.4	29727	6	US-10-829-826B-79	Sequence 79, Appl
555	13.2	69.5	2932	7	US-11-108-528-19	Sequence 19, Appl	628	13	68.4	29727	6	US-10-829-826B-80	Sequence 80, Appl
C 556	13.2	69.5	3074	7	US-11-136-527-2953	Sequence 2953, Ap	629	13	68.4	29727	6	US-10-829-826B-82	Sequence 82, Appl
C 557	13.2	69.5	3104	7	US-11-136-527-600	Sequence 600, App	630	13	68.4	29727	6	US-10-829-826B-83	Sequence 83, Appl
558	13.2	69.5	3307	7	US-11-136-527-2991	Sequence 2991, Ap	631	13	68.4	29727	6	US-10-829-826B-84	Sequence 84, Appl
C 559	13.2	69.5	3387	7	US-11-037-243-38	Sequence 38, Appl	632	13	68.4	29727	6	US-10-829-826B-86	Sequence 86, Appl
C 560	13.2	69.5	3432	6	US-10-467-657-1819	Sequence 1819, Ap	633	13	68.4	29729	6	US-10-829-826B-76	Sequence 76, Appl
C 561	13.2	69.5	3518	7	US-11-136-527-71	Sequence 71, Appl	634	13	68.4	29732	6	US-10-829-826B-52	Sequence 52, Appl
562	13.2	69.5	3954	6	US-10-750-185-38862	Sequence 38862, A	635	13	68.4	29736	6	US-10-829-826B-55	Sequence 55, Appl
563	13.2	69.5	3954	6	US-10-750-623-38862	Sequence 38862, A	636	13	68.4	29736	6	US-10-829-826B-55	Sequence 55, Appl
C 564	13.2	69.5	4363	6	US-10-947-249-182	Sequence 182, App	637	13	68.4	29736	6	US-10-829-826B-74	Sequence 74, Appl
565	13.2	69.5	6266	6	US-10-955-054A-24	Sequence 24, Appl	638	13	68.4	29736	6	US-10-829-826B-75	Sequence 75, Appl
C 566	13.2	69.5	6702	7	US-11-194-246-370	Sequence 370, App	639	13	68.4	29740	6	US-10-829-826B-51	Sequence 51, Appl
C 567	13.2	69.5	7028	7	US-11-055-309A-8	Sequence 8, Appl1	640	13	68.4	29740	6	US-10-829-826B-57	Sequence 57, Appl
568	13.2	69.5	7029	7	US-11-136-527-1898	Sequence 1898, App	641	13	68.4	29742	6	US-10-829-826B-61	Sequence 61, Appl
569	13.2	69.5	8399	7	US-11-136-527-326	Sequence 326, App	642	13	68.4	29745	6	US-10-829-826B-48	Sequence 48, Appl
C 570	13.2	69.5	10405	6	US-10-995-561-83	Sequence 83, Appl	643	13	68.4	29749	6	US-10-829-826B-88	Sequence 88, Appl
C 571	13.2	69.5	10412	7	US-11-055-309A-7	Sequence 7, Appl1	644	13	68.4	29751	6	US-10-829-826B-62	Sequence 62, Appl
572	13.2	69.5	17249	7	US-11-136-527-1941	Sequence 1941, Ap	645	13	68.4	29751	6	US-10-829-826B-63	Sequence 63, Appl
C 573	13.2	69.5	22165	6	US-11-972-764-1	Sequence 1, Appl1	646	13	68.4	29751	6	US-10-829-826B-73	Sequence 73, Appl
574	13.2	69.5	65455	7	US-11-124-368A-2884	Sequence 2884, Ap	647	13	68.4	29751	6	US-10-829-826B-85	Sequence 85, Appl
C 575	13.2	69.5	100000	7	US-11-124-368A-2898	Sequence 2898, Ap	648	13	68.4	29751	7	US-11-132-142-3	Sequence 3, Appl1
576	13.2	69.5	130733	7	US-11-121-086-19	Sequence 19, Appl	649	13	68.4	29751	7	US-11-132-142-4	Sequence 4, Appl1
C 577	13.2	69.5	159138	6	US-10-995-561-13230	Sequence 1230, A	650	13	68.4	29757	6	US-10-829-826B-59	Sequence 59, Appl
C 578	13.2	69.5	159497	7	US-11-112-908-61	Sequence 61, Appl	651	13	68.4	139054	7	US-11-121-086-96	Sequence 96, Appl
C 579	13.2	69.5	160213	7	US-11-121-086-103	Sequence 103, App	652	13	68.4	214000	6	US-10-769-744-1	Sequence 1, Appl1
C 580	13.2	69.5	164810	7	US-11-121-086-4	Sequence 4, Appl1	653	12.8	67.4	18	6	US-10-310-914A-809389	Sequence 809389, Sequence 809389,
581	13.2	69.5	172147	7	US-11-112-908-22	Sequence 22, Appl	654	12.8	67.4	18	6	US-10-310-914A-1098065	Sequence 1098065, Sequence 1098065,
582	13.2	69.5	179666	7	US-11-121-086-67	Sequence 67, Appl	655	12.8	67.4	19	8	US-11-101-244-1168983	Sequence 1168983, Sequence 1168983,
583	13.2	69.5	188682	7	US-11-112-908-23	Sequence 23, Appl	656	12.8	67.4	19	8	US-11-101-244-1308704	Sequence 1308704, Sequence 1308704,
584	13.2	69.5	199321	7	US-11-121-086-10	Sequence 10, Appl	657	12.8	67.4	19	9	US-11-101-244-1409854	Sequence 1409854, Sequence 1409854,
C 585	13.2	69.5	200628	7	US-11-121-086-62	Sequence 62, Appl	658	12.8	67.4	19	9	US-11-083-784-1168983	Sequence 1168983, Sequence 1168983,
586	13.2	69.5	268685	6	US-10-933-025-22	Sequence 22, Appl	659	12.8	67.4	19	9	US-11-083-784-1308704	Sequence 1308704, Sequence 1308704,
587	13.2	69.5	285300	6	US-10-857-780-6	Sequence 6, Appl1	660	12.8	67.4	19	9	US-11-083-784-1409854	Sequence 1409854, Sequence 1409854,
588	13.2	69.5	1082144	7	US-11-117-187-211	Sequence 211, App	661	12.8	67.4	20	7	US-11-194-246-521	Sequence 521, App
589	13	68.4	19	6	US-10-310-914A-1289380	Sequence 1289380, Sequence 1289380,	662	12.8	67.4	21	7	US-11-157-743-29	Sequence 29, Appl
590	13	68.4	21	6	US-10-770-726-7509	Sequence 7509, Ap	663	12.8	67.4	22	6	US-10-310-914A-525784	Sequence 525784, Sequence 525784,
591	13	68.4	22	6	US-10-310-914A-420882	Sequence 420882, Sequence 420882,	664	12.8	67.4	22	6	US-10-310-914A-809462	Sequence 809462, Sequence 809462,
592	13	68.4	24	6	US-10-310-914A-420899	Sequence 226, App	665	12.8	67.4	22	6	US-10-310-914A-820227	Sequence 820227, Sequence 820227,
C 593	13	68.4	384	6	US-11-198-847-226	Sequence 226, App	666	12.8	67.4	22	6	US-10-310-914A-820235	Sequence 820235, Sequence 820235,
C 594	13	68.4	599	7	US-11-136-527-1310	Sequence 1310, App	667	12.8	67.4	22	6	US-10-310-914A-1252705	Sequence 1252705, Sequence 1252705,
595	13	68.4	599	7	US-11-136-527-5406	Sequence 5406, Ap	668	12.8	67.4	25	6	US-10-310-914A-163814	Sequence 163814, Sequence 163814,
C 596	13	68.4	960	7	US-11-105-236-1	Sequence 1, Appl1	669	12.8	67.4	25	6	US-10-310-914A-871708	Sequence 871708, Sequence 871708,
C 597	13	68.4	1398	6	US-10-750-185-5906	Sequence 5906, A	670	12.8	67.4	25	7	US-11-121-849-114648	Sequence 114648, Sequence 114648,
C 598	13	68.4	1398	6	US-10-750-623-5906	Sequence 5906, A	671	12.8	67.4	25	7	US-11-121-849-126923	Sequence 126923, Sequence 126923,
C 599	13	68.4	1470	6	US-10-750-185-59680	Sequence 59680, A	672	12.8	67.4	25	7	US-11-121-849-252746	Sequence 252746, Sequence 252746,
C 600	13	68.4	1470	6	US-10-750-623-59680	Sequence 59680, A	673	12.8	67.4	25	7	US-11-121-849-285463	Sequence 285463, Sequence 285463,
601	13	68.4	1504	6	US-10-959-310-1	Sequence 1, Appl1	674	12.8	67.4	25	7	US-11-121-849-370566	Sequence 370566, Sequence 370566,
602	13	68.4	1504	7	US-11-131-212-65	Sequence 65, Appl	675	12.8	67.4	25	7	US-11-121-849-370643	Sequence 370643, Sequence 370643,
C 603	13	68.4	1591	6	US-10-750-185-60662	Sequence 60662, A	676	12.8	67.4	25	7	US-11-121-849-378204	Sequence 378204, Sequence 378204,
C 604	13	68.4	1591	6	US-10-750-623-60662	Sequence 60662, A	677	12.8	67.4	25	7	US-11-121-849-533426	Sequence 533426, Sequence 533426,
C 605	13	68.4	1591	6	US-10-750-185-55542	Sequence 55542, A	678	12.8	67.4	25	7	US-11-121-849-577681	Sequence 577681, Sequence 577681,
C 606	13	68.4	2535	6	US-10-750-623-55542	Sequence 55542, A	679	12.8	67.4	25	7	US-11-136-527-201983	Sequence 201983, Sequence 201983,
607	13	68.4	24774	6	US-10-829-826B-53	Sequence 53, Appl	680	12.8	67.4	26	6	US-10-310-914A-944016	Sequence 944016, Sequence 944016,

C 681	12.8	67.4	60	7	US-11-119-869-12	Sequence 12, Appl	C 754	12.8	67.4	1329	6	US-10-750-185-34351	Sequence 34351, A
C 682	12.8	67.4	62	6	US-10-310-914A-5080	Sequence 5080, Ap	C 755	12.8	67.4	1329	6	US-10-750-623-34351	Sequence 34351, A
C 683	12.8	67.4	74	6	US-10-310-914A-14712	Sequence 14712, A	C 756	12.8	67.4	1329	6	US-10-750-185-35829	Sequence 35829, A
C 684	12.8	67.4	201	6	US-10-995-561-26406	Sequence 26406, A	C 757	12.8	67.4	1335	6	US-10-750-623-35829	Sequence 35829, A
C 685	12.8	67.4	201	6	US-10-995-561-37716	Sequence 37716, A	C 758	12.8	67.4	1334	6	US-10-131-826A-295	Sequence 295, App
C 686	12.8	67.4	201	6	US-10-995-561-37717	Sequence 37717, A	C 759	12.8	67.4	1368	6	US-10-750-185-30553	Sequence 30553, A
C 687	12.8	67.4	201	6	US-10-995-561-40368	Sequence 40368, A	C 760	12.8	67.4	1368	6	US-10-750-623-30553	Sequence 30553, A
C 688	12.8	67.4	201	6	US-10-995-561-40977	Sequence 40977, A	C 761	12.8	67.4	1391	6	US-10-750-185-33363	Sequence 33363, A
C 689	12.8	67.4	201	6	US-10-995-561-42268	Sequence 42268, A	C 762	12.8	67.4	1391	6	US-10-750-623-33363	Sequence 33363, A
C 690	12.8	67.4	201	6	US-10-995-561-70392	Sequence 70392, A	C 763	12.8	67.4	1402	6	US-10-750-185-28199	Sequence 28199, A
C 691	12.8	67.4	201	6	US-10-995-561-73417	Sequence 73417, A	C 764	12.8	67.4	1402	6	US-10-750-623-28199	Sequence 28199, A
C 692	12.8	67.4	201	7	US-11-124-368A-6656	Sequence 6656, Ap	C 765	12.8	67.4	1411	6	US-10-454-437-83	Sequence 83, Appl
C 693	12.8	67.4	201	7	US-11-124-368A-6669	Sequence 6669, Ap	C 766	12.8	67.4	1419	6	US-10-793-626-1901	Sequence 1901, Ap
C 694	12.8	67.4	430	7	US-11-136-527-1217	Sequence 117, App	C 767	12.8	67.4	1424	6	US-10-750-185-60524	Sequence 60524, A
C 695	12.8	67.4	430	7	US-11-136-527-4213	Sequence 4213, Ap	C 768	12.8	67.4	1424	6	US-10-750-623-60524	Sequence 60524, A
C 696	12.8	67.4	469	6	US-10-454-437-173	Sequence 173, App	C 769	12.8	67.4	1480	6	US-10-485-517-110	Sequence 110, App
C 697	12.8	67.4	476	6	US-11-000-688-1041	Sequence 1041, Ap	C 770	12.8	67.4	1480	6	US-10-750-185-43131	Sequence 43131, A
C 698	12.8	67.4	530	7	US-11-000-688-1424	Sequence 1424, Ap	C 771	12.8	67.4	1480	6	US-10-750-623-43131	Sequence 43131, A
C 699	12.8	67.4	562	7	US-11-157-743-14	Sequence 14, Appl	C 772	12.8	67.4	1490	6	US-10-510-386-125	Sequence 125, App
C 700	12.8	67.4	573	7	US-11-120-308-161	Sequence 161, App	C 773	12.8	67.4	1507	7	US-11-054-385-1	Sequence 1, Appl
C 701	12.8	67.4	600	6	US-10-750-185-3377	Sequence 3377, Ap	C 774	12.8	67.4	1512	6	US-10-750-185-64254	Sequence 64254, A
C 702	12.8	67.4	600	6	US-10-750-185-3515	Sequence 3515, Ap	C 775	12.8	67.4	1512	6	US-10-750-623-64254	Sequence 64254, A
C 703	12.8	67.4	600	6	US-10-750-185-3997	Sequence 3997, Ap	C 776	12.8	67.4	1516	6	US-10-750-185-32191	Sequence 32191, A
C 704	12.8	67.4	600	6	US-10-750-623-3377	Sequence 3377, Ap	C 777	12.8	67.4	1516	6	US-10-750-623-32191	Sequence 32191, A
C 705	12.8	67.4	600	6	US-10-750-623-3515	Sequence 3515, Ap	C 778	12.8	67.4	1530	6	US-11-167-856-7	Sequence 7, Appl
C 706	12.8	67.4	600	6	US-10-750-623-3997	Sequence 3997, Ap	C 779	12.8	67.4	1536	6	US-10-467-657-2283	Sequence 2283, Ap
C 707	12.8	67.4	600	6	US-11-128-061-1181	Sequence 4181, Ap	C 780	12.8	67.4	1536	6	US-10-467-657-6591	Sequence 6591, Ap
C 708	12.8	67.4	604	6	US-10-454-437-87	Sequence 87, Appl	C 781	12.8	67.4	1539	6	US-10-467-657-5463	Sequence 5463, App
C 709	12.8	67.4	618	6	US-10-454-437-171	Sequence 171, App	C 782	12.8	67.4	1602	7	US-11-147-047-7	Sequence 7, Appl
C 710	12.8	67.4	642	6	US-10-750-185-63015	Sequence 63015, A	C 783	12.8	67.4	1642	6	US-10-750-185-52934	Sequence 52934, A
C 711	12.8	67.4	642	7	US-10-750-623-63015	Sequence 63015, A	C 784	12.8	67.4	1642	6	US-10-750-623-52934	Sequence 52934, A
C 712	12.8	67.4	689	7	US-11-214-371-1	Sequence 1, Appl	C 785	12.8	67.4	1670	9	US-11-082-389-147	Sequence 147, App
C 713	12.8	67.4	695	7	US-11-157-743-3	Sequence 3, Appl	C 786	12.8	67.4	1695	6	US-10-750-185-61053	Sequence 61053, A
C 714	12.8	67.4	726	7	US-11-137-465-5	Sequence 5, Appl	C 787	12.8	67.4	1695	6	US-10-750-623-61053	Sequence 61053, A
C 715	12.8	67.4	726	7	US-11-151-601-35	Sequence 35, Appl	C 788	12.8	67.4	1716	6	US-10-750-185-26455	Sequence 26455, A
C 716	12.8	67.4	732	7	US-11-137-465-6	Sequence 6, Appl	C 789	12.8	67.4	1716	6	US-10-750-623-26455	Sequence 26455, A
C 717	12.8	67.4	733	7	US-11-157-743-24	Sequence 34, Appl	C 790	12.8	67.4	1720	6	US-10-750-185-50197	Sequence 50197, A
C 718	12.8	67.4	733	6	US-10-750-185-63877	Sequence 63877, A	C 791	12.8	67.4	1720	6	US-10-750-623-50197	Sequence 50197, A
C 719	12.8	67.4	735	6	US-10-750-623-63877	Sequence 63877, A	C 792	12.8	67.4	1756	7	US-11-000-463-516	Sequence 516, App
C 720	12.8	67.4	754	7	US-11-102-240-141	Sequence 141, App	C 793	12.8	67.4	1765	6	US-10-750-185-53672	Sequence 53672, A
C 721	12.8	67.4	754	7	US-11-000-463-46	Sequence 46, Appl	C 794	12.8	67.4	1765	6	US-10-750-623-53672	Sequence 53672, A
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C 726	12.8	67.4	940	7	US-11-136-527-2477	Sequence 2477, Ap	C 799	12.8	67.4	1804	6	US-10-131-826A-309	Sequence 309, App
C 727	12.8	67.4	957	7	US-11-151-601-33	Sequence 33, Appl	C 800	12.8	67.4	1872	6	US-10-467-657-337	Sequence 337, App
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C 729	12.8	67.4	1015	7	US-11-157-743-33	Sequence 33, Appl	C 802	12.8	67.4	1875	7	US-11-136-527-76	Sequence 76, Appl
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C 836	12.8	67.4	2848	7	US-11-136-527-3874	Sequence 3874, App	909	12.8	67.4	1080000	6	US-10-928-446A-201	Sequence 201, App
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ALIGNMENTS

RESULT 1

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US-10-995-561-13240
; Sequence 13240, Application US/10995561
; Publication No. US2005027054A1
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
; TITLE OF INVENTION: DETECTION AND USES THEREOF
; FILE REFERENCE: C1001559
; CURRENT APPLICATION NUMBER: US/10/995,561
; CURRENT FILING DATE: 2004-11-24
; NUMBER OF SEQ ID NOS: 85702
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 13240
; LENGTH: 43436
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-995-561-13240
```

```
Query Match 83.2% Score 15.8; DB 6; Length 43436;
Best Local Similarity 89.5%; Pred. No. 1.6e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
```

```
Qy 1 GCGCAGCAGAAACGTCAGC 19
Db 10610 GCGCAGCAGAAATGTCAGC 10628
```

RESULT 2

```
US-11-121-086-3/c
; Sequence 3, Application US/11121086
; Publication No. US20050266459A1
; GENERAL INFORMATION:
; APPLICANT: POULSEN, TIM S.
; APPLICANT: NIELSEN, KIRSTEN V.
; TITLE OF INVENTION: NUCLEIC ACID PROBES AND NUCLEIC ACID ANALOG PROBES
; FILE REFERENCE: 09138, 6000-00000
; CURRENT APPLICATION NUMBER: US/11/121,086
; CURRENT FILING DATE: 2005-05-04
```

```
; PRIOR APPLICATION NUMBER: 60/567,570
; PRIOR FILING DATE: 2004-05-04
; NUMBER OF SEQ ID NOS: 107
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 3
; LENGTH: 168516
; TYPE: DNA
; ORGANISM: Homo sapiens
US-11-121-086-3
```

```
Query Match 83.2% Score 15.8; DB 7; Length 168516;
Best Local Similarity 89.5%; Pred. No. 1.7e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
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```
Qy 1 GCGCAGCAGAAACGTCAGC 19
Db 58492 GCGCAGCAGTACGTCAGC 58474
```

RESULT 3

```
US-11-121-086-104/c
; Sequence 104, Application US/11121086
; Publication No. US20050266459A1
; GENERAL INFORMATION:
; APPLICANT: POULSEN, TIM S.
; APPLICANT: NIELSEN, KIRSTEN V.
; TITLE OF INVENTION: NUCLEIC ACID PROBES AND NUCLEIC ACID ANALOG PROBES
; FILE REFERENCE: 09138, 6000-00000
; CURRENT APPLICATION NUMBER: US/11/121,086
; CURRENT FILING DATE: 2005-05-04
; PRIOR APPLICATION NUMBER: 60/567,570
; PRIOR FILING DATE: 2004-05-04
; NUMBER OF SEQ ID NOS: 107
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 104
; LENGTH: 186442
; TYPE: DNA
; ORGANISM: Homo sapiens
US-11-121-086-104
```

```
Query Match 81.1% Score 15.4; DB 7; Length 186442;
Best Local Similarity 94.1%; Pred. No. 2.6e+02;
Matches 16; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
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```
Qy 3 GCACGAGAAACGTCAGC 19
Db 159684 GCACGAGAAAGTCAGC 159668
```

RESULT 4

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US-11-112-908-19
; Sequence 19, Application US/11112908
; Publication No. US20050260659A1
; GENERAL INFORMATION:
; APPLICANT: HARRIS, Cole
; APPLICANT: DAVIS, Lisa M.
; TITLE OF INVENTION: Breast Cancer Biomarkers
; FILE REFERENCE: 04-164-US
; CURRENT APPLICATION NUMBER: US/11/112,908
; CURRENT FILING DATE: 2005-04-22
; PRIOR APPLICATION NUMBER: US 60/564,758
; PRIOR FILING DATE: 2004-04-23
; PRIOR APPLICATION NUMBER: US 60/575,978
; PRIOR FILING DATE: 2004-06-01
; PRIOR APPLICATION NUMBER: US 60/631,702
; PRIOR FILING DATE: 2004-11-30
; PRIOR APPLICATION NUMBER: US 60/633,826
; PRIOR FILING DATE: 2004-12-07
; NUMBER OF SEQ ID NOS: 511
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 19
; LENGTH: 212805
; TYPE: DNA
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ORGANISM: Homo sapiens
US-11-112-908-19

Query Match 81.1%; Score 15.4; DB 7; Length 212805;
Best Local Similarity 94.1%; Pred. No. 2.6e+02;
Matches 16; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 3 GCAGCAGAAAGCTCAGC 19
DB 135044 GCAGCAGAAAGCTCTGC 135060

RESULT 5

US-10-995-561-20739/C
Sequence 20739, Application US/10995561
Publication No. US20050272054A1
GENERAL INFORMATION:
APPLICANT: CARGILL, Michele et al.
TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
TITLE OF INVENTION: DETECTION AND USES THEREOF
FILE REFERENCE: CLO01559
CURRENT APPLICATION NUMBER: US/10/995,561
CURRENT FILING DATE: 2004-11-24
NUMBER OF SEQ ID NOS: 85702
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 20739
LENGTH: 201
TYPE: DNA
ORGANISM: Homo sapiens
US-10-995-561-20739

Query Match 78.9%; Score 15; DB 6; Length 201;
Best Local Similarity 88.2%; Pred. No. 2.9e+02;
Matches 15; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 2 CGCAGCAGAAAGCTCAG 18
DB 104 CGCAGCAGAAAGCTCAG 88

RESULT 6

US-11-128-061-3102/C
Sequence 3102, Application US/11128061
Publication No. US2006003958A1
GENERAL INFORMATION:
APPLICANT: Melville, Mark W.
APPLICANT: Charlebois, Timothy S.
APPLICANT: Mounts, William M.
APPLICANT: Hann, Louane B.
APPLICANT: Sinacore, Martin S.
APPLICANT: Leonard, Mark W.
APPLICANT: Brown, Eugene L.
APPLICANT: Miller, Christopher P.
TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES RELATED TO OLIGONUCLEOTIDE ARRAYS
TITLE OF INVENTION: TO MONITOR GENE EXPRESSION
FILE REFERENCE: 01997.027701
CURRENT APPLICATION NUMBER: US/11/128,061
CURRENT FILING DATE: 2005-05-11
PRIOR APPLICATION NUMBER: US 60/570,425
PRIOR FILING DATE: 2004-05-11
NUMBER OF SEQ ID NOS: 7285
SOFTWARE: PatentIn version 3.3
SEQ ID NO 3102
LENGTH: 220
TYPE: DNA
ORGANISM: Cricetus griseus
US-11-128-061-3102

Query Match 77.9%; Score 14.8; DB 7; Length 220;
Best Local Similarity 88.9%; Pred. No. 3.6e+02;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 2 CGCAGCAGAAAGCTCAGC 19
DB 168 CGCAGCAGATCTCTCAGC 151

RESULT 7

US-11-128-061-6744/C
Sequence 6744, Application US/11128061
Publication No. US2006003958A1
GENERAL INFORMATION:
APPLICANT: Melville, Mark W.
APPLICANT: Charlebois, Timothy S.
APPLICANT: Mounts, William M.
APPLICANT: Hann, Louane B.
APPLICANT: Sinacore, Martin S.
APPLICANT: Leonard, Mark W.
APPLICANT: Brown, Eugene L.
APPLICANT: Miller, Christopher P.
TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES RELATED TO OLIGONUCLEOTIDE ARRAYS
TITLE OF INVENTION: TO MONITOR GENE EXPRESSION
FILE REFERENCE: 01997.027701
CURRENT APPLICATION NUMBER: US/11/128,061
CURRENT FILING DATE: 2005-05-11
PRIOR APPLICATION NUMBER: US 60/570,425
PRIOR FILING DATE: 2004-05-11
NUMBER OF SEQ ID NOS: 7285
SOFTWARE: PatentIn version 3.3
SEQ ID NO 6744
LENGTH: 220
TYPE: DNA
ORGANISM: Cricetus griseus
US-11-128-061-6744

Query Match 77.9%; Score 14.8; DB 7; Length 220;
Best Local Similarity 88.9%; Pred. No. 3.6e+02;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 2 CGCAGCAGAAAGCTCAGC 19
DB 168 CGCAGCAGATCTCTCAGC 151

RESULT 8

US-11-136-527-4036/C
Sequence 4036, Application US/11136527
Publication No. US20050287570A1
GENERAL INFORMATION:
APPLICANT: Mounts, William M.
TITLE OF INVENTION: Probe Arrays For Expression Profiling of Rat Genes
FILE REFERENCE: 031896-041000 (AM101086)
CURRENT APPLICATION NUMBER: US/11/136,527
CURRENT FILING DATE: 2005-05-25
PRIOR APPLICATION NUMBER: US 60/574,294
PRIOR FILING DATE: 2005-05-26
NUMBER OF SEQ ID NOS: 362830
SOFTWARE: PatentIn version 3.2
SEQ ID NO 4036
LENGTH: 1439
TYPE: DNA
ORGANISM: Rattus norvegicus
FEATURE:
NAME/KEY: m1ac_feature
LOCATION: (1096)..(1096)
OTHER INFORMATION: n is a, c, g, or t
US-11-136-527-4036

Query Match 77.9%; Score 14.8; DB 7; Length 1439;
Best Local Similarity 88.9%; Pred. No. 4e+02;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GCGCAGCAGAAAGCTCAG 18
| | | | | | | | | | | | | | | | | |

Db 120 GGGCAGCAGAAAGCTCAG 103

RESULT 9

US-10-750-185-35115/c
; Sequence 35115, Application US/10750185
; Publication No. US20050260603A1
; GENERAL INFORMATION:
; APPLICANT: MMI GENOMICS, INC.
; APPLICANT: DENISE, Sue K.
; APPLICANT: KERR, Richard
; APPLICANT: ROSENFELD, David
; APPLICANT: HOLM, Tom
; APPLICANT: BATES, Stephen
; APPLICANT: FANTIN, Dennis
; TITLE OF INVENTION: COMPOSITIONS FOR INFERRING BOVINE TRAITS
; FILE REFERENCE: MM1100-2
; CURRENT APPLICATION NUMBER: US/10/750,185
; PRIOR FILING DATE: 2003-12-31
; PRIOR APPLICATION NUMBER: US 60/437,482
; PRIOR FILING DATE: 2002-12-31
; NUMBER OF SEQ ID NOS: 64922
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 35115
; LENGTH: 1561
; TYPE: DNA
; ORGANISM: Bovine 1986680846117
US-10-750-185-35115

Query Match 77.9%; Score 14.8; DB 6; Length 1561;

Best Local Similarity 88.9%; Pred. No. 4e+02; 2; Indels 0; Gaps 0;
Matches 16; Conservative 0; Mismatches 2;

Qy 1 GCGCAGCAGAAAGCTCAG 18

Db 1231 GGGCAGCAGAAAGCTCAG 1214

RESULT 10

US-10-750-623-35115/c
; Sequence 35115, Application US/10750623
; Publication No. US20050287531A1
; GENERAL INFORMATION:
; APPLICANT: MMI GENOMICS, INC.
; APPLICANT: DENISE, Sue K.
; APPLICANT: KERR, Richard
; APPLICANT: ROSENFELD, David
; APPLICANT: HOLM, Tom
; APPLICANT: BATES, Stephen
; APPLICANT: FANTIN, Dennis
; TITLE OF INVENTION: METHODS AND SYSTEMS FOR INFERRING BOVINE TRAITS
; FILE REFERENCE: MM1100-1
; CURRENT APPLICATION NUMBER: US/10/750,623
; CURRENT FILING DATE: 2003-12-31
; PRIOR APPLICATION NUMBER: US 60/437,482
; PRIOR FILING DATE: 2002-12-31
; NUMBER OF SEQ ID NOS: 64922
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 35115
; LENGTH: 1561
; TYPE: DNA
; ORGANISM: Bovine 1986680846117
US-10-750-623-35115

Query Match 77.9%; Score 14.8; DB 6; Length 1561;

Best Local Similarity 88.9%; Pred. No. 4e+02; 2; Indels 0; Gaps 0;
Matches 16; Conservative 0; Mismatches 2;

Qy 1 GCGCAGCAGAAAGCTCAG 18

Db 1231 GGGCAGCAGAAAGCTCAG 1214

RESULT 11

US-11-136-527-2547/c
; Sequence 2547, Application US/11136527
; Publication No. US20050287570A1
; GENERAL INFORMATION:
; APPLICANT: Wyeth
; APPLICANT: Mounts, William M
; TITLE OF INVENTION: Probe Arrays For Expression Profiling of Rat Genes
; FILE REFERENCE: 031896-041000 (AM101086)
; CURRENT APPLICATION NUMBER: US/11/136,527
; CURRENT FILING DATE: 2005-05-25
; PRIOR APPLICATION NUMBER: US 60/574,294
; PRIOR FILING DATE: 2005-05-26
; NUMBER OF SEQ ID NOS: 362830
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 2547
; LENGTH: 2065
; TYPE: DNA
; ORGANISM: Rattus norvegicus
US-11-136-527-2547

Query Match 77.9%; Score 14.8; DB 7; Length 2065;

Best Local Similarity 88.9%; Pred. No. 4.1e+02; 2; Indels 0; Gaps 0;
Matches 16; Conservative 0; Mismatches 2;

Qy 1 GCGCAGCAGAAAGCTCAG 18

Db 771 GCGCAGCAGTAACGACAG 754

RESULT 12

US-11-052-554A-645
; Sequence 645, Application US/11052554A
; Publication No. US20050288866A1
; GENERAL INFORMATION:
; APPLICANT: Sachdeva, et al.
; TITLE OF INVENTION: COMPUTATIONAL METHOD FOR IDENTIFYING ADHESIN AND ADHESIN-LIKE
; FILE REFERENCE: 30853/40359A
; CURRENT APPLICATION NUMBER: US/11/052,554A
; CURRENT FILING DATE: 2005-02-07
; PRIOR APPLICATION NUMBER: US 60/589,227
; PRIOR FILING DATE: 2004-07-20
; PRIOR APPLICATION NUMBER: IN 173/DEL/2004
; PRIOR FILING DATE: 2004-02-06
; NUMBER OF SEQ ID NOS: 763
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 645
; LENGTH: 2277
; TYPE: DNA
; ORGANISM: Treponema pallidum subsp. pallidum str. Nichols
US-11-052-554A-645

Query Match 77.9%; Score 14.8; DB 7; Length 2277;

Best Local Similarity 88.9%; Pred. No. 4.1e+02; 2; Indels 0; Gaps 0;
Matches 16; Conservative 0; Mismatches 2;

Qy 1 GCGCAGCAGAAAGCTCAG 18

Db 1552 GGGCAGCAGATACCTCAG 1569

RESULT 13

US-11-136-527-2209/c
; Sequence 2209, Application US/11136527
; Publication No. US20050287570A1
; GENERAL INFORMATION:
; APPLICANT: Wyeth
; APPLICANT: Mounts, William M
; TITLE OF INVENTION: Probe Arrays For Expression Profiling of Rat Genes
; FILE REFERENCE: 031896-041000 (AM101086)
; CURRENT APPLICATION NUMBER: US/11/136,527
; CURRENT FILING DATE: 2005-05-25

PRIOR APPLICATION NUMBER: US 60/574,294
PRIOR FILING DATE: 2005-05-26
NUMBER OF SEQ ID NOS: 362830
SOFTWARE: PatentIn version 3.2
SEQ ID NO 2209
LENGTH: 2327
TYPE: DNA
ORGANISM: Rattus norvegicus
US-11-136-527-2209

Query Match 77.9%; Score 14.8; DB 7; Length 2327;
Best Local Similarity 88.9%; Pred. No. 4.1e+02;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GCGACGAGAAAGCTCAG 18
Db 151 GCGACGAGAAAGCTCAG 134

RESULT 14
US-11-157-389-1
Sequence 1, Application US/11157389
Publication No. US20050266481A1
GENERAL INFORMATION:
APPLICANT: Ruddy, David A.
TITLE OF INVENTION: POLYMORPHISMS IN THE REGION OF THE HUMAN
TITLE OF INVENTION: HEMOCHROMATOSIS GENE
NUMBER OF SEQUENCES: 26
CORRESPONDENCE ADDRESS:
ADDRESSEE: Pennie & Edmonds, LLP
STREET: 1155 Avenue of the Americas
CITY: New York
STATE: NY
COUNTRY: USA
ZIP: 10036-2811
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: Windows
SOFTWARE: FastSeq for Windows Version 2.0b
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/11/157,389
FILING DATE: 20-June-2005
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/852,495
FILING DATE: 07-MAY-1997
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Poissant, Brian M
REGISTRATION NUMBER: 28,462
REFERENCE/DOCKET NUMBER: 8907-0057-999
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650-493-4935
TELEFAX: 650-493-5556
TELEX: 66141 PENNIE
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 235033 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-11-157-389-1

Query Match 77.9%; Score 14.8; DB 7; Length 235033;
Best Local Similarity 88.9%; Pred. No. 4.9e+02;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 2 CGACGAGAAAGCTCAG 19

Db 21637 CGCAACGAGAAAGCTCACC 21654

RESULT 15
US-11-157-389-2
Sequence 2, Application US/11157389
Publication No. US20050266481A1
GENERAL INFORMATION:
APPLICANT: Ruddy, David A.
APPLICANT: Wolff, Roger K.
TITLE OF INVENTION: POLYMORPHISMS IN THE REGION OF THE HUMAN
TITLE OF INVENTION: HEMOCHROMATOSIS GENE
NUMBER OF SEQUENCES: 26
CORRESPONDENCE ADDRESS:
ADDRESSEE: Pennie & Edmonds, LLP
STREET: 1155 Avenue of the Americas
CITY: New York
STATE: NY
COUNTRY: USA
ZIP: 10036-2811
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: Windows
SOFTWARE: FastSeq for Windows Version 2.0b
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/11/157,389
FILING DATE: 20-June-2005
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/852,495
FILING DATE: 07-MAY-1997
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Poissant, Brian M
REGISTRATION NUMBER: 28,462
REFERENCE/DOCKET NUMBER: 8907-0057-999
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650-493-4935
TELEFAX: 650-493-5556
TELEX: 66141 PENNIE
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 237326 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-11-157-389-2

Query Match 77.9%; Score 14.8; DB 7; Length 237326;
Best Local Similarity 88.9%; Pred. No. 4.9e+02;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 2 CGCAACGAGAAAGCTCACC 21617
Db 21600 CGCAACGAGAAAGCTCACC 21617

RESULT 16
US-11-121-086-8
Sequence 8, Application US/11121086
Publication No. US20050266459A1
GENERAL INFORMATION:
APPLICANT: POULSEN, TIM S.
TITLE OF INVENTION: NUCLEIC ACID PROBES AND NUCLEIC ACID ANALOG PROBES
FILE REFERENCE: 09138.6000-00000
CURRENT APPLICATION NUMBER: US/11/121,086
CURRENT FILING DATE: 2005-05-04

;; PRIOR APPLICATION NUMBER: 60/567,570
;; PRIOR FILING DATE: 2004-05-04
;; NUMBER OF SEQ ID NOS: 107
;; SOFTWARE: PatentIn version 3.3
;; SEQ ID NO 8
;; LENGTH: 246960
;; TYPE: DNA
;; ORGANISM: Homo sapiens
US-11-121-086-8

Query Match 77.9%; Score 14.8; DB 7; Length 246960;
Best Local Similarity 88.9%; Pred. No. 4.9e+02;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GCGCAGCAGAAACGTCAG 18
DB 198948 GCGCAGCAGAAACGTCAG 198965

RESULT 17
US-10-995-561-13217/c
; Sequence 13217, Application US/10995561
; Publication No. US20050272054A1
; GENERAL INFORMATION:
; APPLICANT: CARGIL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
; FILE REFERENCE: CLO01559
; CURRENT APPLICATION NUMBER: US/10/995,561
; CURRENT FILING DATE: 2004-11-24
; NUMBER OF SEQ ID NOS: 85702
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 13217
; LENGTH: 44718
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-995-561-13217

Query Match 76.8%; Score 14.6; DB 6; Length 44718;
Best Local Similarity 82.4%; Pred. No. 5.9e+02;
Matches 14; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 2 GCGCAGCAGAAACGTCAG 18
DB 20355 GCGCAGCAGAAACGTCAG 20339

RESULT 18
US-11-101-244-591191
; Sequence 591191, Application US/1101244
; Publication No. US20050246794A1
; GENERAL INFORMATION:
; APPLICANT: Dharmoon, Inc.
; APPLICANT: Khvorova, Anastasia
; APPLICANT: Reynolds, Angela
; APPLICANT: Leake, Devin
; APPLICANT: Marshall, William
; APPLICANT: Scaringe, Stephen
; TITLE OF INVENTION: Functional and Hyperfunctional siRNA
; FILE REFERENCE: 13499US
; CURRENT APPLICATION NUMBER: US/11/101,244
; CURRENT FILING DATE: 2005-04-07
; PRIOR APPLICATION NUMBER: 60/502,050
; PRIOR FILING DATE: 2003-09-10
; PRIOR APPLICATION NUMBER: 60/426,137
; PRIOR FILING DATE: 2002-11-14
; NUMBER OF SEQ ID NOS: 1591911
; SOFTWARE: Proprietary
; SEQ ID NO 591191
; LENGTH: 19
; TYPE: RNA
; ORGANISM: Homo sapiens

US-11-101-244-591191

Query Match 75.8%; Score 14.4; DB 8; Length 19;
Best Local Similarity 87.5%; Pred. No. 4.9e+02;
Matches 14; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 3 GCAGCAGAAACGTCAG 18
DB 1 GCAGCAGAAACGTCAG 16

RESULT 19
US-11-083-784-591191
; Sequence 591191, Application US/11083784
; Publication No. US20050245475A1
; GENERAL INFORMATION:
; APPLICANT: Dharmoon, Inc.
; APPLICANT: Khvorova, Anastasia
; APPLICANT: Reynolds, Angela
; APPLICANT: Leake, Devin
; APPLICANT: Marshall, William
; APPLICANT: Scaringe, Stephen
; TITLE OF INVENTION: Functional and Hyperfunctional siRNA
; FILE REFERENCE: 13499US
; CURRENT APPLICATION NUMBER: US/11/083,784
; CURRENT FILING DATE: 2005-03-18
; PRIOR APPLICATION NUMBER: US/10/714,333
; PRIOR FILING DATE: 2003-11-14
; PRIOR APPLICATION NUMBER: 60/502,050
; PRIOR FILING DATE: 2003-09-10
; PRIOR APPLICATION NUMBER: 60/426,137
; PRIOR FILING DATE: 2002-11-14
; NUMBER OF SEQ ID NOS: 1591911
; SOFTWARE: Proprietary
; SEQ ID NO 591191
; LENGTH: 19
; TYPE: RNA
; ORGANISM: Homo sapiens
US-11-083-784-591191

Query Match 75.8%; Score 14.4; DB 9; Length 19;
Best Local Similarity 87.5%; Pred. No. 4.9e+02;
Matches 14; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 3 GCAGCAGAAACGTCAG 18
DB 1 GCAGCAGAAACGTCAG 16

RESULT 20
US-10-623-155-20
; Sequence 20, Application US/10623155
; Publication No. US20050261166A1
; GENERAL INFORMATION:
; APPLICANT: Wang, Tongtong
; APPLICANT: Peckham, David W.
; APPLICANT: Retter, Marc W.
; APPLICANT: Fanger, Gary R.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.455C20
; CURRENT APPLICATION NUMBER: US/10/623,155
; CURRENT FILING DATE: 2003-07-17
; NUMBER OF SEQ ID NOS: 560
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 20
; LENGTH: 449
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-623-155-20

Query Match 75.8%; Score 14.4; DB 6; Length 449;
Best Local Similarity 93.8%; Pred. No. 5.8e+02;

Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 3 GCGAGAGAAACGTAG 18
| | | | | | | | | | | | | | | | | | | | | |
Db 15 GCGAGAGAAACATCAG 30

RESULT 21
US-10-467-657-2197
; Sequence 2197, Application US/10467657
; Publication No. US20050260581A1
; GENERAL INFORMATION:
; APPLICANT: CHIRON SpA
; APPLICANT: FONTANA Maria Rita
; APPLICANT: PIZZA Mariagrazia
; APPLICANT: MASIGNANI Vega
; APPLICANT: MONACI Elisabetta
; TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS
; FILE REFERENCE:
; CURRENT APPLICATION NUMBER: US/10/467,657
; CURRENT FILING DATE: 2003-08-11
; PRIOR APPLICATION NUMBER: GB-0103424.8
; PRIOR FILING DATE: 2001-02-12
; NUMBER OF SEQ ID NOS: 9218
; SOFTWARE: Seqwin99, version 1.04
; SEQ ID NO 2197
; LENGTH: 807
; TYPE: DNA
; ORGANISM: Neisseria gonorrhoeae
US-10-467-657-2197

Query Match 75.8%; Score 14.4; DB 6; Length 807;
Best Local Similarity 93.8%; Pred. No. 6e+02;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 GCGGAGCAGAAACGTC 16
| | | | | | | | | | | | | | | | | | | | | |
Db 124 GCGGAGCAGAAACGCC 139

RESULT 22
US-10-467-657-2199/c
; Sequence 2199, Application US/10467657
; Publication No. US20050260581A1
; GENERAL INFORMATION:
; APPLICANT: CHIRON SpA
; APPLICANT: FONTANA Maria Rita
; APPLICANT: PIZZA Mariagrazia
; APPLICANT: MASIGNANI Vega
; APPLICANT: MONACI Elisabetta
; TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS
; FILE REFERENCE:
; CURRENT APPLICATION NUMBER: US/10/467,657
; CURRENT FILING DATE: 2003-08-11
; PRIOR APPLICATION NUMBER: GB-0103424.8
; PRIOR FILING DATE: 2001-02-12
; NUMBER OF SEQ ID NOS: 9218
; SOFTWARE: Seqwin99, version 1.04
; SEQ ID NO 2199
; LENGTH: 828
; TYPE: DNA
; ORGANISM: Neisseria gonorrhoeae
US-10-467-657-2199

Query Match 75.8%; Score 14.4; DB 6; Length 828;
Best Local Similarity 93.8%; Pred. No. 6e+02;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 GCGGAGCAGAAACGTC 16
| | | | | | | | | | | | | | | | | | | | | |
Db 675 GCGGAGCAGAAACGCC 660

RESULT 23
US-10-750-185-52804/c
; Sequence 52804, Application US/10750185
; Publication No. US20050260603A1
; GENERAL INFORMATION:
; APPLICANT: MMI GENOMICS, INC.
; APPLICANT: DENISE, Sue K.
; APPLICANT: KERR, Richard
; APPLICANT: ROSENFELD, David
; APPLICANT: HOLM, Tom
; APPLICANT: BATES, Stephen
; APPLICANT: FANTIN, Dennis
; TITLE OF INVENTION: COMPOSITIONS FOR INFERRING BOVINE TRAITS
; FILE REFERENCE: MM1100-2
; CURRENT APPLICATION NUMBER: US/10/750,185
; CURRENT FILING DATE: 2003-12-31
; PRIOR APPLICATION NUMBER: US 60/437,482
; PRIOR FILING DATE: 2002-12-31
; NUMBER OF SEQ ID NOS: 64922
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 52804
; LENGTH: 1100
; TYPE: DNA
; ORGANISM: Bovine 19866881130900
US-10-750-185-52804

Query Match 75.8%; Score 14.4; DB 6; Length 1100;
Best Local Similarity 93.8%; Pred. No. 6.1e+02;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 2 CGCAGCAGAAACGTCA 17
| | | | | | | | | | | | | | | | | | | | | |
Db 1058 CGCAGCAGAAACGTCA 1043

RESULT 24
US-10-750-623-52804/c
; Sequence 52804, Application US/10750623
; Publication No. US20050287531A1
; GENERAL INFORMATION:
; APPLICANT: MMI GENOMICS, INC.
; APPLICANT: DENISE, Sue K.
; APPLICANT: KERR, Richard
; APPLICANT: ROSENFELD, David
; APPLICANT: HOLM, Tom
; APPLICANT: BATES, Stephen
; APPLICANT: FANTIN, Dennis
; TITLE OF INVENTION: METHODS AND SYSTEMS FOR INFERRING BOVINE TRAITS
; FILE REFERENCE: MM1100-1
; CURRENT APPLICATION NUMBER: US/10/750,623
; CURRENT FILING DATE: 2003-12-31
; PRIOR APPLICATION NUMBER: US 60/437,482
; PRIOR FILING DATE: 2002-12-31
; NUMBER OF SEQ ID NOS: 64922
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 52804
; LENGTH: 1100
; TYPE: DNA
; ORGANISM: Bovine 19866881130900
US-10-750-623-52804

Query Match 75.8%; Score 14.4; DB 6; Length 1100;
Best Local Similarity 93.8%; Pred. No. 6.1e+02;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 2 CGCAGCAGAAACGTCA 17
| | | | | | | | | | | | | | | | | | | | | |
Db 1058 CGCAGCAGAAACGTCA 1043

RESULT 25
US-11-054-385-3/c
; Sequence 3, Application US/11054385

```
; Publication No. US20050257291A1
; GENERAL INFORMATION:
; APPLICANT: MIZUTANI, Masako
; APPLICANT: TANAKA, Yoshikazu
; APPLICANT: KUSUMI, Takaaki
; APPLICANT: SAITO, Kazuki
; APPLICANT: YAMAZAKI, Mani
; APPLICANT: ZHIZHONG, Gong
; TITLE OF INVENTION: GENES ENCODING PROTEINS HAVING TRANSGLYCOSYLATION
; FILE REFERENCE: 001560-350
; CURRENT APPLICATION NUMBER: US/11/054,385
; CURRENT FILING DATE: 2005-02-10
; PRIOR APPLICATION NUMBER: US/09/147,955
; PRIOR FILING DATE: 1999-03-24
; PRIOR APPLICATION NUMBER: PCT/JP98/03199
; PRIOR FILING DATE: 1998-07-16
; PRIOR APPLICATION NUMBER: JP 9-200571
; PRIOR FILING DATE: 1997-07-25
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: PatentIn ver. 2.0
; SEQ ID NO 3
; LENGTH: 1474
; TYPE: DNA
; ORGANISM: Petillia frutescens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (29)..(1357)
US-11-054-385-3
```

```
Query Match          75.8%; Score 14.4; DB 7; Length 1474;
Best Local Similarity 93.8%; Pred. No. 6.2e+02;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
OY      3 GCAGCAGAAACGTCAG 18
        |||||
Db       560 GCAGCAGAAACGTCGG 545
```

```
RESULT 26
US-10-750-185-34752/c
; Sequence 34752, Application US/10750185
; Publication No. US20050260603A1
; GENERAL INFORMATION:
; APPLICANT: MMI GENOMICS, INC.
; APPLICANT: DENISE, Sue K.
; APPLICANT: KERR, Richard
; APPLICANT: ROSENFELD, David
; APPLICANT: HOLM, Tom
; APPLICANT: BATES, Stephen
; APPLICANT: FANTIN, Dennis
; TITLE OF INVENTION: COMPOSITIONS FOR INFERRING BOVINE TRAITS
; FILE REFERENCE: MM11100-2
; CURRENT APPLICATION NUMBER: US/10/750,185
; CURRENT FILING DATE: 2003-12-31
; PRIOR APPLICATION NUMBER: US 60/437,482
; PRIOR FILING DATE: 2002-12-31
; NUMBER OF SEQ ID NOS: 64922
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 34752
; LENGTH: 1611
; TYPE: DNA
; ORGANISM: Bovine 19866880955174
US-10-750-185-34752
```

```
Query Match          75.8%; Score 14.4; DB 6; Length 1611;
Best Local Similarity 93.8%; Pred. No. 6.3e+02;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
OY      4 CAGCAGAAACGTCAGC 19
        |||||
Db       959 CAGCAGAAACGTCAGC 944
```

```
RESULT 27
US-10-750-623-34752/c
; Sequence 34752, Application US/10750623
; Publication No. US20050287531A1
; GENERAL INFORMATION:
; APPLICANT: MMI GENOMICS, INC.
; APPLICANT: DENISE, Sue K.
; APPLICANT: KERR, Richard
; APPLICANT: ROSENFELD, David
; APPLICANT: HOLM, Tom
; APPLICANT: BATES, Stephen
; APPLICANT: FANTIN, Dennis
; TITLE OF INVENTION: METHODS AND SYSTEMS FOR INFERRING BOVINE TRAITS
; FILE REFERENCE: MM11100-1
; CURRENT APPLICATION NUMBER: US/10/750,623
; CURRENT FILING DATE: 2003-12-31
; PRIOR APPLICATION NUMBER: US 60/437,482
; PRIOR FILING DATE: 2002-12-31
; NUMBER OF SEQ ID NOS: 64922
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 34752
; LENGTH: 1611
; TYPE: DNA
; ORGANISM: Bovine 19866880955174
US-10-750-623-34752
```

```
Query Match          75.8%; Score 14.4; DB 6; Length 1611;
Best Local Similarity 93.8%; Pred. No. 6.3e+02;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
OY      4 CAGCAGAAACGTCAGC 19
        |||||
Db       959 CAGCAGAAACGTCAGC 944
```

```
RESULT 28
US-11-136-527-2735/c
; Sequence 2735, Application US/11136527
; Publication No. US20050287570A1
; GENERAL INFORMATION:
; APPLICANT: Wyeth
; TITLE OF INVENTION: Probe Arrays For Expression Profiling of Rat Genes
; FILE REFERENCE: 031896-041000 (AM101086)
; CURRENT APPLICATION NUMBER: US/11/136,527
; CURRENT FILING DATE: 2005-05-25
; PRIOR APPLICATION NUMBER: US 60/574,294
; PRIOR FILING DATE: 2005-05-26
; NUMBER OF SEQ ID NOS: 362830
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 2735
; LENGTH: 3269
; TYPE: DNA
; ORGANISM: Rattus norvegicus
US-11-136-527-2735
```

```
Query Match          75.8%; Score 14.4; DB 7; Length 3269;
Best Local Similarity 93.8%; Pred. No. 6.5e+02;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
OY      4 CAGCAGAAACGTCAGC 19
        |||||
Db       2507 CAGCAGAAACGTCATC 2492
```

```
RESULT 29
US-10-310-914A-1098127
; Sequence 1098127, Application US/10310914A
; Publication No. US20060003322A1
; GENERAL INFORMATION:
; APPLICANT: Bentwich, Isaac
; APPLICANT: Shiller, Kwazat
```

```
; TITLE OF INVENTION: Bioinformatically detectable group of novel regulatory genes and
; FILE REFERENCE: 06087.0200.CPUS01
; CURRENT APPLICATION NUMBER: US/10/310,914A
; CURRENT FILING DATE: 2002-12-06
; NUMBER OF SEQ ID NOS: 1388402
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 1098127
; LENGTH: 21
; TYPE: RNA
; ORGANISM: Human
US-10-310-914A-1098127

Query Match
Best Local Similarity 74.7%; Score 14.2; DB 6; Length 21;
Matches 15; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY 1 GCGCAGCAGAAAGCTCAGC 19
Db 1 GCGCAGCAGCAGCGUCAGC 19

RESULT 30
US-11-121-849-537692
; Sequence 537692, Application US/11121849
; Publication No. US20050272080A1
; GENERAL INFORMATION:
; APPLICANT: John Palma
; TITLE OF INVENTION: Methods of Genetic Analysis of Formalin Fixed Paraffin Embedded S
; FILE REFERENCE: 3684.1
; CURRENT APPLICATION NUMBER: US/11/121,849
; CURRENT FILING DATE: 2005-05-03
; PRIOR APPLICATION NUMBER: 60/567,949
; PRIOR FILING DATE: 2004-05-03
; NUMBER OF SEQ ID NOS: 673904
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 537692
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Homo sapien
US-11-121-849-537692

Query Match
Best Local Similarity 74.7%; Score 14.2; DB 7; Length 25;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 GCGCAGCAGAAAGCTCAGC 19
Db 4 GCGCAGTACAAATCTCAGC 22

RESULT 31
US-10-939-294A-7598/C
; Sequence 7598, Application US/10939294A
; Publication No. US20050266417A1
; GENERAL INFORMATION:
; APPLICANT: Barany, Francis
; APPLICANT: Turner, Daniel
; APPLICANT: Pingle, Maneesh
; APPLICANT: Pincas, Hanna
; TITLE OF INVENTION: Methods for identifying target nucleic acid molecules
; FILE REFERENCE: 19603/4121 (CRF D-2995-02)
; CURRENT APPLICATION NUMBER: US/10/939,294A
; CURRENT FILING DATE: 2004-09-10
; PRIOR APPLICATION NUMBER: US 60/502/731
; PRIOR FILING DATE: 2003-09-12
; NUMBER OF SEQ ID NOS: 38895
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 7598
; LENGTH: 32
; TYPE: DNA
; ORGANISM: Artificial
```

```
; FEATURE:
; OTHER INFORMATION: oligonucleotide probe
US-10-939-294A-7598

Query Match
Best Local Similarity 74.7%; Score 14.2; DB 6; Length 32;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 GCGCAGCAGAAAGCTCAGC 19
Db 31 GCCCAGCCGAAACGCGAGC 13

RESULT 32
US-10-939-294A-7602/C
; Sequence 7602, Application US/10939294A
; Publication No. US20050266417A1
; GENERAL INFORMATION:
; APPLICANT: Barany, Francis
; APPLICANT: Turner, Daniel
; APPLICANT: Pingle, Maneesh
; APPLICANT: Pincas, Hanna
; TITLE OF INVENTION: Methods for identifying target nucleic acid molecules
; FILE REFERENCE: 19603/4121 (CRF D-2995-02)
; CURRENT APPLICATION NUMBER: US/10/939,294A
; CURRENT FILING DATE: 2004-09-10
; PRIOR APPLICATION NUMBER: US 60/502/731
; PRIOR FILING DATE: 2003-09-12
; NUMBER OF SEQ ID NOS: 38895
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 7602
; LENGTH: 32
; TYPE: DNA
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: oligonucleotide probe
US-10-939-294A-7602

Query Match
Best Local Similarity 74.7%; Score 14.2; DB 6; Length 32;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 GCGCAGCAGAAAGCTCAGC 19
Db 31 GCCCAGCCGAAACGCGAGC 13

RESULT 33
US-10-939-294A-7604/C
; Sequence 7604, Application US/10939294A
; Publication No. US20050266417A1
; GENERAL INFORMATION:
; APPLICANT: Barany, Francis
; APPLICANT: Turner, Daniel
; APPLICANT: Pingle, Maneesh
; APPLICANT: Pincas, Hanna
; TITLE OF INVENTION: Methods for identifying target nucleic acid molecules
; FILE REFERENCE: 19603/4121 (CRF D-2995-02)
; CURRENT APPLICATION NUMBER: US/10/939,294A
; CURRENT FILING DATE: 2004-09-10
; PRIOR APPLICATION NUMBER: US 60/502/731
; PRIOR FILING DATE: 2003-09-12
; NUMBER OF SEQ ID NOS: 38895
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 7604
; LENGTH: 32
; TYPE: DNA
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: oligonucleotide probe
US-10-939-294A-7604

Query Match
Best Local Similarity 74.7%; Score 14.2; DB 6; Length 32;
```

Best Local Similarity 84.2%; Pred. No. 6.3e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 GCGCAGCAGAAACGTCAGC 19
|||
Db 31 GCCCAGCCGAAACGCGCAGC 13

RESULT 34
US-10-939-294A-7609/c
; Sequence 7609, Application US/10939294A
; Publication No. US20050266417A1
; GENERAL INFORMATION:
; APPLICANT: Barany, Francis
; APPLICANT: Turner, Daniel
; APPLICANT: Pingle, Maneesh
; APPLICANT: Pincas, Hanna
; TITLE OF INVENTION: Methods for identifying target nucleic acid molecules
; FILE REFERENCE: 19603/4121 (CRF D-2995-02)
; CURRENT FILING DATE: 2004-09-10
; PRIOR APPLICATION NUMBER: US/10/939,294A
; PRIOR FILING DATE: 2003-09-12
; NUMBER OF SEQ ID NOS: 38895
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 7609
; LENGTH: 32
; TYPE: DNA
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: oligonucleotide probe
US-10-939-294A-7609

Query Match 74.7%; Score 14.2; DB 6; Length 32;
Best Local Similarity 84.2%; Pred. No. 6.3e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 GCGCAGCAGAAACGTCAGC 19
|||
Db 31 GCCCAGCCGAAACGCGCAGC 13

RESULT 35
US-10-939-294A-7615/c
; Sequence 7615, Application US/10939294A
; Publication No. US20050266417A1
; GENERAL INFORMATION:
; APPLICANT: Barany, Francis
; APPLICANT: Turner, Daniel
; APPLICANT: Pingle, Maneesh
; APPLICANT: Pincas, Hanna
; TITLE OF INVENTION: Methods for identifying target nucleic acid molecules
; FILE REFERENCE: 19603/4121 (CRF D-2995-02)
; CURRENT APPLICATION NUMBER: US/10/939,294A
; CURRENT FILING DATE: 2004-09-10
; PRIOR APPLICATION NUMBER: US 60/502/731
; PRIOR FILING DATE: 2003-09-12
; NUMBER OF SEQ ID NOS: 38895
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 7615
; LENGTH: 32
; TYPE: DNA
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: oligonucleotide probe
US-10-939-294A-7615

Query Match 74.7%; Score 14.2; DB 6; Length 32;
Best Local Similarity 84.2%; Pred. No. 6.3e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 GCGCAGCAGAAACGTCAGC 19
|||
Db 31 GCCCAGCCGAAACGCGCAGC 13

Db 31 GCCCAGCCGAAACGCGCAGC 13

RESULT 36
US-10-939-294A-7617/c
; Sequence 7617, Application US/10939294A
; Publication No. US20050266417A1
; GENERAL INFORMATION:
; APPLICANT: Barany, Francis
; APPLICANT: Turner, Daniel
; APPLICANT: Pingle, Maneesh
; APPLICANT: Pincas, Hanna
; TITLE OF INVENTION: Methods for identifying target nucleic acid molecules
; FILE REFERENCE: 19603/4121 (CRF D-2995-02)
; CURRENT APPLICATION NUMBER: US/10/939,294A
; CURRENT FILING DATE: 2004-09-10
; PRIOR APPLICATION NUMBER: US 60/502/731
; PRIOR FILING DATE: 2003-09-12
; NUMBER OF SEQ ID NOS: 38895
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 7617
; LENGTH: 32
; TYPE: DNA
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: oligonucleotide probe
US-10-939-294A-7617

Query Match 74.7%; Score 14.2; DB 6; Length 32;
Best Local Similarity 84.2%; Pred. No. 6.3e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 GCGCAGCAGAAACGTCAGC 19
|||
Db 31 GCCCAGCCGAAACGCGCAGC 13

RESULT 37
US-10-939-294A-7626/c
; Sequence 7626, Application US/10939294A
; Publication No. US20050266417A1
; GENERAL INFORMATION:
; APPLICANT: Barany, Francis
; APPLICANT: Turner, Daniel
; APPLICANT: Pingle, Maneesh
; APPLICANT: Pincas, Hanna
; TITLE OF INVENTION: Methods for identifying target nucleic acid molecules
; FILE REFERENCE: 19603/4121 (CRF D-2995-02)
; CURRENT APPLICATION NUMBER: US/10/939,294A
; CURRENT FILING DATE: 2004-09-10
; PRIOR APPLICATION NUMBER: US 60/502/731
; PRIOR FILING DATE: 2003-09-12
; NUMBER OF SEQ ID NOS: 38895
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 7626
; LENGTH: 32
; TYPE: DNA
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: oligonucleotide probe
US-10-939-294A-7626

Query Match 74.7%; Score 14.2; DB 6; Length 32;
Best Local Similarity 84.2%; Pred. No. 6.3e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 GCGCAGCAGAAACGTCAGC 19
|||
Db 31 GCCCAGCCGAAACGCGCAGC 13

RESULT 38
US-10-939-294A-7635/c

```
; Sequence 7635, Application US/10939294A
; Publication No. US20050266417A1
; GENERAL INFORMATION:
; APPLICANT: Barany, Francis
; APPLICANT: Turner, Daniel
; APPLICANT: Pingle, Maneesh
; APPLICANT: Pincas, Hanna
; TITLE OF INVENTION: Methods for identifying target nucleic acid molecules
; FILE REFERENCE: 19603/4121 (CRF D-2995-02)
; CURRENT APPLICATION NUMBER: US/10/939,294A
; CURRENT FILING DATE: 2004-09-10
; PRIOR APPLICATION NUMBER: US 60/502/731
; PRIOR FILING DATE: 2003-09-12
; NUMBER OF SEQ ID NOS: 38895
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 7635
; LENGTH: 32
; TYPE: DNA
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: oligonucleotide probe
US-10-939-294A-7635

Query Match          74.7%; Score 14.2; DB 6; Length 32;
Best Local Similarity 84.2%; Pred. No. 6.3e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

OY      1 GCGCAGCGAAGACGTCAGC 19
Db      31 GCCCAGCGGAAGACGCGAGC 13

RESULT 39
US-10-939-294A-7640/c
; Sequence 7640, Application US/10939294A
; Publication No. US20050266417A1
; GENERAL INFORMATION:
; APPLICANT: Barany, Francis
; APPLICANT: Turner, Daniel
; APPLICANT: Pingle, Maneesh
; APPLICANT: Pincas, Hanna
; TITLE OF INVENTION: Methods for identifying target nucleic acid molecules
; FILE REFERENCE: 19603/4121 (CRF D-2995-02)
; CURRENT APPLICATION NUMBER: US/10/939,294A
; CURRENT FILING DATE: 2004-09-10
; PRIOR APPLICATION NUMBER: US 60/502/731
; PRIOR FILING DATE: 2003-09-12
; NUMBER OF SEQ ID NOS: 38895
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 7640
; LENGTH: 32
; TYPE: DNA
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: oligonucleotide probe
US-10-939-294A-7640

Query Match          74.7%; Score 14.2; DB 6; Length 32;
Best Local Similarity 84.2%; Pred. No. 6.3e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

OY      1 GCGCAGCGAAGACGTCAGC 19
Db      31 GCCCAGCGGAAGACGCGAGC 13

RESULT 40
US-10-939-294A-7649/c
; Sequence 7649, Application US/10939294A
; Publication No. US20050266417A1
; GENERAL INFORMATION:
; APPLICANT: Barany, Francis
; APPLICANT: Turner, Daniel
```

```
; APPLICANT: Pingle, Maneesh
; APPLICANT: Pincas, Hanna
; TITLE OF INVENTION: Methods for identifying target nucleic acid molecules
; FILE REFERENCE: 19603/4121 (CRF D-2995-02)
; CURRENT APPLICATION NUMBER: US/10/939,294A
; CURRENT FILING DATE: 2004-09-10
; PRIOR APPLICATION NUMBER: US 60/502/731
; PRIOR FILING DATE: 2003-09-12
; NUMBER OF SEQ ID NOS: 38895
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 7649
; LENGTH: 32
; TYPE: DNA
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: oligonucleotide probe
US-10-939-294A-7649

Query Match          74.7%; Score 14.2; DB 6; Length 32;
Best Local Similarity 84.2%; Pred. No. 6.3e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

OY      1 GCGCAGCGAAGACGTCAGC 19
Db      31 GCCCAGCGGAAGACGCGAGC 13

RESULT 41
US-10-939-294A-7680/c
; Sequence 7680, Application US/10939294A
; Publication No. US20050266417A1
; GENERAL INFORMATION:
; APPLICANT: Barany, Francis
; APPLICANT: Turner, Daniel
; APPLICANT: Pingle, Maneesh
; APPLICANT: Pincas, Hanna
; TITLE OF INVENTION: Methods for identifying target nucleic acid molecules
; FILE REFERENCE: 19603/4121 (CRF D-2995-02)
; CURRENT APPLICATION NUMBER: US/10/939,294A
; CURRENT FILING DATE: 2004-09-10
; PRIOR APPLICATION NUMBER: US 60/502/731
; PRIOR FILING DATE: 2003-09-12
; NUMBER OF SEQ ID NOS: 38895
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 7680
; LENGTH: 32
; TYPE: DNA
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: oligonucleotide probe
US-10-939-294A-7680

Query Match          74.7%; Score 14.2; DB 6; Length 32;
Best Local Similarity 84.2%; Pred. No. 6.3e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

OY      1 GCGCAGCGAAGACGTCAGC 19
Db      31 GCCCAGCGGAAGACGCGAGC 13

RESULT 42
US-10-939-294A-7728/c
; Sequence 7728, Application US/10939294A
; Publication No. US20050266417A1
; GENERAL INFORMATION:
; APPLICANT: Barany, Francis
; APPLICANT: Turner, Daniel
; APPLICANT: Pingle, Maneesh
; APPLICANT: Pincas, Hanna
; TITLE OF INVENTION: Methods for identifying target nucleic acid molecules
; FILE REFERENCE: 19603/4121 (CRF D-2995-02)
; CURRENT APPLICATION NUMBER: US/10/939,294A
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; CURRENT FILING DATE: 2004-09-10
; PRIOR APPLICATION NUMBER: US 60/502/731
; PRIOR FILING DATE: 2003-09-12
; NUMBER OF SEQ ID NOS: 38895
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 7728
; LENGTH: 32
; TYPE: DNA
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: oligonucleotide probe
US-10-939-294A-7728

Query Match      74.7%; Score 14.2; DB 6; Length 32;
Best Local Similarity 84.2%; Pred. No. 6.3e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

OY      1 GCGCAGCGAAGCTCAGC 19
Db      31 GCCCAGCGGAACGGCAGC 13

RESULT 43
US-10-939-294A-7738/C
; Sequence 7738, Application US/10939294A
; Publication No. US20050266417A1
; GENERAL INFORMATION:
; APPLICANT: Barany, Francis
; APPLICANT: Turner, Daniel
; APPLICANT: Pingle, Maneesh
; APPLICANT: Pincas, Hanna
; TITLE OF INVENTION: Methods for identifying target nucleic acid molecules
; FILE REFERENCE: 19603/4121 (CRF D-2995-02)
; CURRENT APPLICATION NUMBER: US/10/939,294A
; CURRENT FILING DATE: 2004-09-10
; PRIOR APPLICATION NUMBER: US 60/502/731
; PRIOR FILING DATE: 2003-09-12
; NUMBER OF SEQ ID NOS: 38895
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 7738
; LENGTH: 32
; TYPE: DNA
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: oligonucleotide probe
US-10-939-294A-7738

Query Match      74.7%; Score 14.2; DB 6; Length 32;
Best Local Similarity 84.2%; Pred. No. 6.3e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

OY      1 GCGCAGCGAAGCTCAGC 19
Db      31 GCCCAGCGGAACGGCAGC 13

RESULT 44
US-10-939-294A-7798/C
; Sequence 7798, Application US/10939294A
; Publication No. US20050266417A1
; GENERAL INFORMATION:
; APPLICANT: Barany, Francis
; APPLICANT: Turner, Daniel
; APPLICANT: Pingle, Maneesh
; APPLICANT: Pincas, Hanna
; TITLE OF INVENTION: Methods for identifying target nucleic acid molecules
; FILE REFERENCE: 19603/4121 (CRF D-2995-02)
; CURRENT APPLICATION NUMBER: US/10/939,294A
; CURRENT FILING DATE: 2004-09-10
; PRIOR APPLICATION NUMBER: US 60/502/731
; PRIOR FILING DATE: 2003-09-12
; NUMBER OF SEQ ID NOS: 38895
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 7798
; TYPE: DNA
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: oligonucleotide probe
US-10-939-294A-7798
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; SEQ ID NO 7798
; LENGTH: 32
; TYPE: DNA
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: oligonucleotide probe
US-10-939-294A-7798

Query Match      74.7%; Score 14.2; DB 6; Length 32;
Best Local Similarity 84.2%; Pred. No. 6.3e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

OY      1 GCGCAGCGAAGCTCAGC 19
Db      31 GCCCAGCGGAACGGCAGC 13

RESULT 45
US-10-939-294A-7806/C
; Sequence 7806, Application US/10939294A
; Publication No. US20050266417A1
; GENERAL INFORMATION:
; APPLICANT: Barany, Francis
; APPLICANT: Turner, Daniel
; APPLICANT: Pingle, Maneesh
; APPLICANT: Pincas, Hanna
; TITLE OF INVENTION: Methods for identifying target nucleic acid molecules
; FILE REFERENCE: 19603/4121 (CRF D-2995-02)
; CURRENT APPLICATION NUMBER: US/10/939,294A
; CURRENT FILING DATE: 2004-09-10
; PRIOR APPLICATION NUMBER: US 60/502/731
; PRIOR FILING DATE: 2003-09-12
; NUMBER OF SEQ ID NOS: 38895
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 7806
; LENGTH: 32
; TYPE: DNA
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: oligonucleotide probe
US-10-939-294A-7806

Query Match      74.7%; Score 14.2; DB 6; Length 32;
Best Local Similarity 84.2%; Pred. No. 6.3e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

OY      1 GCGCAGCGAAGCTCAGC 19
Db      31 GCCCAGCGGAACGGCAGC 13

RESULT 46
US-10-939-294A-8302/C
; Sequence 8302, Application US/10939294A
; Publication No. US20050266417A1
; GENERAL INFORMATION:
; APPLICANT: Barany, Francis
; APPLICANT: Turner, Daniel
; APPLICANT: Pingle, Maneesh
; APPLICANT: Pincas, Hanna
; TITLE OF INVENTION: Methods for identifying target nucleic acid molecules
; FILE REFERENCE: 19603/4121 (CRF D-2995-02)
; CURRENT APPLICATION NUMBER: US/10/939,294A
; CURRENT FILING DATE: 2004-09-10
; PRIOR APPLICATION NUMBER: US 60/502/731
; PRIOR FILING DATE: 2003-09-12
; NUMBER OF SEQ ID NOS: 38895
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 8302
; LENGTH: 32
; TYPE: DNA
; ORGANISM: Artificial
; FEATURE:
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OTHER INFORMATION: oligonucleotide probe
US-10-939-294A-8302

Query Match 74.7%; Score 14.2; DB 6; Length 32;
Best Local Similarity 84.2%; Pred. No. 6.3e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 GCGCAGCGAAGCTCAGC 19
Db 31 GCCCAGCGGAACGGCAGC 13

RESULT 47

US-10-939-294A-8387/C
Sequence 8387, Application US/10939294A
Publication No. US20050266417A1
GENERAL INFORMATION:
APPLICANT: Barany, Francis
APPLICANT: Turner, Daniel
APPLICANT: Pingle, Maneesh
APPLICANT: Pincas, Hanna
TITLE OF INVENTION: Methods for identifying target nucleic acid molecules
FILE REFERENCE: 19603/4121 (CRF D-2995-02)
CURRENT APPLICATION NUMBER: US/10/939,294A
CURRENT FILING DATE: 2004-09-10
PRIOR APPLICATION NUMBER: US 60/502/731
PRIOR FILING DATE: 2003-09-12
NUMBER OF SEQ ID NOS: 38895
SOFTWARE: PatentIn version 3.3
SEQ ID NO 8387
LENGTH: 32
TYPE: DNA
ORGANISM: Artificial
FEATURE:
OTHER INFORMATION: oligonucleotide probe
US-10-939-294A-8387

Query Match 74.7%; Score 14.2; DB 6; Length 32;
Best Local Similarity 84.2%; Pred. No. 6.3e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 GCGCAGCGAAGCTCAGC 19
Db 31 GCCCAGCGGAACGGCAGC 13

RESULT 48

US-10-939-294A-8487/C
Sequence 8487, Application US/10939294A
Publication No. US20050266417A1
GENERAL INFORMATION:
APPLICANT: Barany, Francis
APPLICANT: Turner, Daniel
APPLICANT: Pingle, Maneesh
APPLICANT: Pincas, Hanna
TITLE OF INVENTION: Methods for identifying target nucleic acid molecules
FILE REFERENCE: 19603/4121 (CRF D-2995-02)
CURRENT APPLICATION NUMBER: US/10/939,294A
CURRENT FILING DATE: 2004-09-10
PRIOR APPLICATION NUMBER: US 60/502/731
PRIOR FILING DATE: 2003-09-12
NUMBER OF SEQ ID NOS: 38895
SOFTWARE: PatentIn version 3.3
SEQ ID NO 8487
LENGTH: 32
TYPE: DNA
ORGANISM: Artificial
FEATURE:
OTHER INFORMATION: oligonucleotide probe
US-10-939-294A-8487

Query Match 74.7%; Score 14.2; DB 6; Length 32;
Best Local Similarity 84.2%; Pred. No. 6.3e+02;

Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 GCGCAGCGAAGCTCAGC 19
Db 31 GCCCAGCGGAACGGCAGC 13

RESULT 49

US-10-939-294A-8534/C
Sequence 8534, Application US/10939294A
Publication No. US20050266417A1
GENERAL INFORMATION:
APPLICANT: Barany, Francis
APPLICANT: Turner, Daniel
APPLICANT: Pingle, Maneesh
APPLICANT: Pincas, Hanna
TITLE OF INVENTION: Methods for identifying target nucleic acid molecules
FILE REFERENCE: 19603/4121 (CRF D-2995-02)
CURRENT APPLICATION NUMBER: US/10/939,294A
CURRENT FILING DATE: 2004-09-10
PRIOR APPLICATION NUMBER: US 60/502/731
PRIOR FILING DATE: 2003-09-12
NUMBER OF SEQ ID NOS: 38895
SOFTWARE: PatentIn version 3.3
SEQ ID NO 8534
LENGTH: 32
TYPE: DNA
ORGANISM: Artificial
FEATURE:
OTHER INFORMATION: oligonucleotide probe
US-10-939-294A-8534

Query Match 74.7%; Score 14.2; DB 6; Length 32;
Best Local Similarity 84.2%; Pred. No. 6.3e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 GCGCAGCGAAGCTCAGC 19
Db 31 GCCCAGCGGAACGGCAGC 13

RESULT 50

US-10-939-294A-8605/C
Sequence 8605, Application US/10939294A
Publication No. US20050266417A1
GENERAL INFORMATION:
APPLICANT: Barany, Francis
APPLICANT: Turner, Daniel
APPLICANT: Pingle, Maneesh
APPLICANT: Pincas, Hanna
TITLE OF INVENTION: Methods for identifying target nucleic acid molecules
FILE REFERENCE: 19603/4121 (CRF D-2995-02)
CURRENT APPLICATION NUMBER: US/10/939,294A
CURRENT FILING DATE: 2004-09-10
PRIOR APPLICATION NUMBER: US 60/502/731
PRIOR FILING DATE: 2003-09-12
NUMBER OF SEQ ID NOS: 38895
SOFTWARE: PatentIn version 3.3
SEQ ID NO 8605
LENGTH: 32
TYPE: DNA
ORGANISM: Artificial
FEATURE:
OTHER INFORMATION: oligonucleotide probe
US-10-939-294A-8605

Query Match 74.7%; Score 14.2; DB 6; Length 32;
Best Local Similarity 84.2%; Pred. No. 6.3e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 GCGCAGCGAAGCTCAGC 19
Db 31 GCCCAGCGGAACGGCAGC 13

Thu Jan 12 11:19:13 2006

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Search completed: January 12, 2006, 01:35:02
Job time : 284.249 secs
